



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 1 of 56

The following sample(s) was / were submitted and identified on behalf of the clients as:

SGS Job No. : TSHL1904004157ST-TJ
Sample Description: GRAPHITE WOODEN PENCILS
Quantity of Sample: 12 sets
Date of Sample Received: 8 Apr. 2019
Testing Period: 8 Apr. 2019 – 10 Apr. 2019
Test Performed: Tested the sample(s) by applicant with following result.
Test Requested: As specified by client, selected parts of the submitted sample(s) with reference to Safety of Toys, EN71-1:2014+A1:2018 – Mechanical and physical Properties, EN71-2:2011+A1:2014 - Flammability, EN71-3:2013+A3:2018 – Migration of certain elements, EN71-9:2005+A1:2007 – Organic chemical compounds.

Test Result(s): For further details, please refer to following page.

Result Summary:

Test Requested	Conclusion
EN71-1:2014+A1:2018– Mechanical and physical Properties	Pass
EN71-2:2011+A1:2014 – Flammability	Pass
EN71-3:2013+A3:2018– Migration of certain elements	Pass
EN71-9:2005+A1:2007 – Organic chemical compounds	Pass

Signed for and on behalf of
SGS-CSTC Ltd.

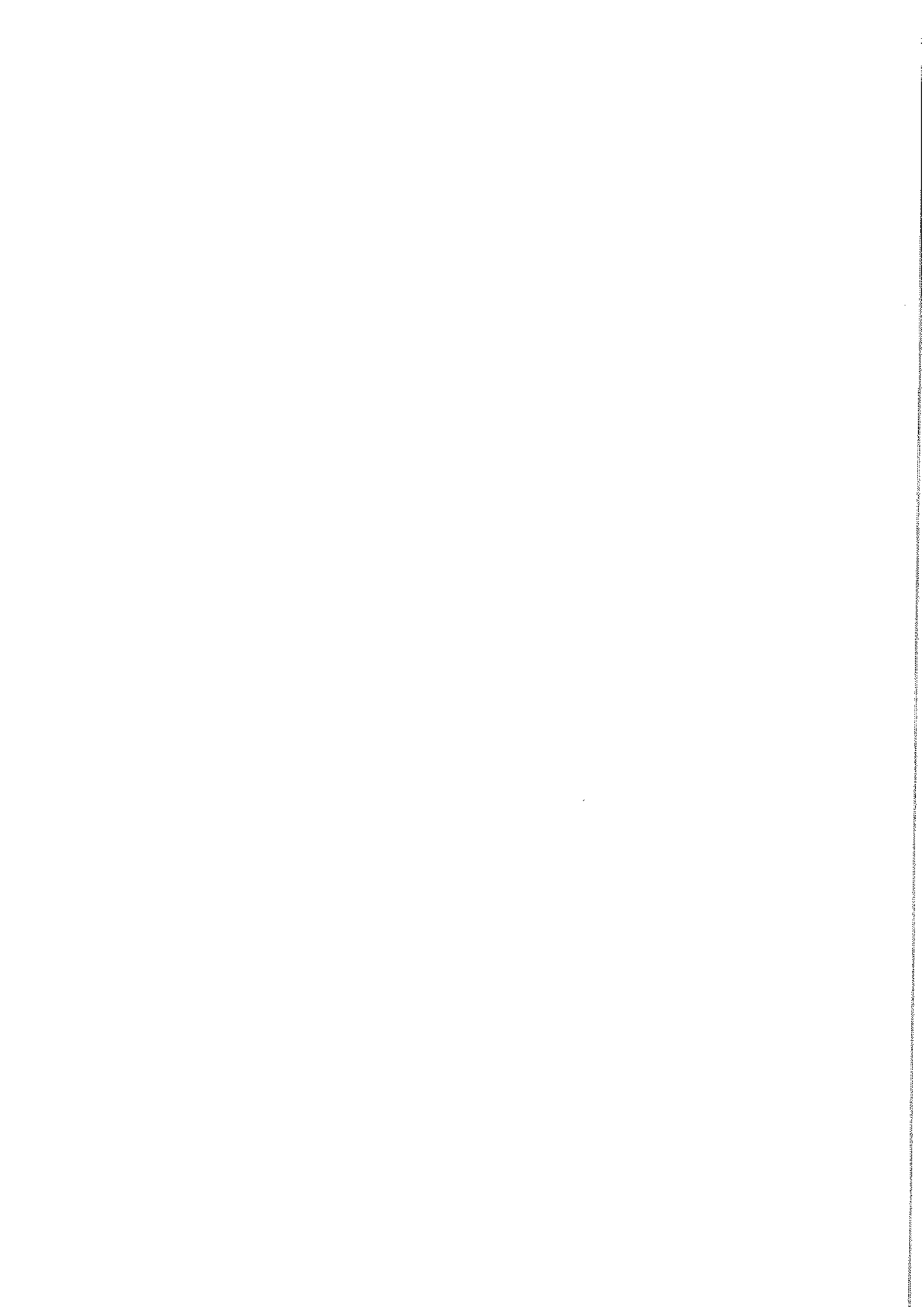
Rebeca Zhou
Approved Signatory



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificates, please contact us at telephone: (tel.) 755163871649, or email: CN_Doccheck@sgs.com

SGS Mensión, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65289940 f (86-22) 25295262 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65289900 f (86-22) 25295252 e sgs.china@sgs.com





Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 2 of 56

Result(s):

EN71 PART 1:2014 + A1:2018
- MECHANICAL AND PHYSICAL PROPERTIES

<u>CLAUSE</u>	<u>TEST ITEMS</u>	<u>RESULTS</u>
4	General requirements	Pass
4.1	Material (by visual assessment)	Pass
4.7	Edges	Pass
4.8	Points and wires	Pass
5	Toys intended for children under 36 months	Pass
6	Packaging	Pass
7	Warning, marking and instructions for use	Pass
7.1	General requirements	Pass
7.2	Toys not intended for children under 36 months	Pass

EN71 PART 2:2011 + A1:2014
- FLAMMABILITY

<u>CLAUSE</u>	<u>TEST ITEMS</u>	<u>RESULTS</u>
4.1	General requirements	Pass



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN.Dogshen@sgs.com

SGS (China) Technical Service Co., Ltd.
Chemical

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 1 (86-22) 85288000 1 (86-22) 25206252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 55258000 1 (86-22) 25206252 sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 3 of 56

Result(s):

EN71 PART 3:2013+A3:2018

- MIGRATION OF CERTAIN ELEMENTS

CLAUSE	TEST ITEMS	RESULTS
8.1	Coatings of paint, varnish, lacquer, printing ink, polymer and similar coatings	Pass
8.2	Polymeric and similar materials including laminat whether reinforces textile or not but excluding otI textiles	NA
8.3	Paper and paper board	NA
8.4	Textiles, whether natural or synthetic	NA
8.5	Glass/ceramic/metallic materials	NA
8.6	Other materials, whether mass colored or not	Pass
8.7	Materials intended to leave a trace	Pass
8.8	Pliable modelling materials, including modelling (and gels	NA
8.9	Paints, including finger paints varnishes, lacquer glazing powders and similar materials in solid or liquid from	Pass

As specified in European standard on Safety of Toys EN71-3:2013+A3:2018 – Migration of certain elements, acid extraction method was used and toxic elements content were determined by ICP-OES, ICP-MS, IC-ICP-MS, IC-UV and GC-MS.



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)8367 1443, or email: CN-Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 1 (86-22) 65288000 f (86-22) 25295252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 65288000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 4 of 56

Result(s):

Test Part Description:

Specimen No.	SGS Sample ID	Description
1	TSN19-0404157.001	White Coating
2	TSN19-0404157.002	Steel Grey Coating
3	TSN19-0404157.003	Acid Yellow Coating
4	TSN19-0404157.004	Deep Cadmium Coating
5	TSN19-0404157.005	Yellow Ochre Coating
6	TSN19-0404157.006	Orange Coating
7	TSN19-0404157.007	Blood Orange Coating
8	TSN19-0404157.007	Pale Peach Coating
9	TSN19-0404157.009	310 Red Coating
10	TSN19-0404157.010	Scarlet Coating
11	TSN19-0404157.011	Red Coating
12	TSN19-0404157.012	Deep Red Coating
13	TSN19-0404157.013	Deep Fuchsia Coating
14	TSN19-0404157.014	Cranberry Coating
15	TSN19-0404157.015	Loganberry Coating
16	TSN19-0404157.016	Pink Coating
17	TSN19-0404157.017	Bright Pink Coating
18	TSN19-0404157.018	Purple Coating
19	TSN19-0404157.019	Royal Purple Coating
20	TSN19-0404157.020	Bright Purple Coating
21	TSN19-0404157.021	Ultramarine Coating
22	TSN19-0404157.022	Indigo Coating
23	TSN19-0404157.023	Prussian Blue Coating
24	TSN19-0404157.024	Blue Coating
25	TSN19-0404157.025	Baby Blue Coating
26	TSN19-0404157.026	Iced Blue Coating
27	TSN19-0404157.027	410 Blue Coating
28	TSN19-0404157.028	Sea Green Coating
29	TSN19-0404157.029	Light Sand Coating
30	TSN19-0404157.030	Lime Green Coating



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-25)8307 1443, or email: sgschina@sgs.com

SGS S...
Chemical...

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 86288000 f (86-22) 25296252 www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 86288000 f (86-22) 25296252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 5 of 56

Result(s):

Specimen No.	SGS Sample ID	Description
31	TSN19-0404157.031	Grey Green Coating
32	TSN19-0404157.032	Mild Green Coating
33	TSN19-0404157.033	Dark Green Coating
34	TSN19-0404157.034	Green Coating
35	TSN19-0404157.035	Pea Green Coating
36	TSN19-0404157.036	Light Green Coating
37	TSN19-0404157.037	Yellow Green Coating
38	TSN19-0404157.038	Pale Blue Coating
39	TSN19-0404157.039	Brown Coating
40	TSN19-0404157.040	Dark Brown Coating
41	TSN19-0404157.041	Pale Brown Coating
42	TSN19-0404157.042	Mid Brown Coating
43	TSN19-0404157.043	Ochre Coating
44	TSN19-0404157.044	Mid Terracotta Coating
45	TSN19-0404157.045	Brown Black Coating
46	TSN19-0404157.046	Black Coating
47	TSN19-0404157.047	Mid Grey Coating
48	TSN19-0404157.048	Mint Coating
49	TSN19-0404157.049	Graphite 9H Lead
50	TSN19-0404157.050	Graphite 8H Lead
51	TSN19-0404157.051	Graphite 7H Lead
52	TSN19-0404157.052	Graphite 6H Lead
53	TSN19-0404157.053	Graphite 5H Lead
54	TSN19-0404157.054	Graphite 4H Lead
55	TSN19-0404157.055	Graphite 3H Lead
56	TSN19-0404157.056	Graphite 2H Lead
57	TSN19-0404157.057	Graphite H Lead
58	TSN19-0404157.058	Graphite F Lead
59	TSN19-0404157.059	Graphite HB Lead
60	TSN19-0404157.060	Graphite B Lead



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1643, or email: CN_Baccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300467 | (86-22) 65286000 | (86-22) 25295252 | www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300467 | (86-22) 65286000 | (86-22) 25295252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 6 of 56

Result(s):

Specimen No.	SGS Sample ID	Description
61	TSN19-0404157.061	Graphite 2B Lead
62	TSN19-0404157.062	Graphite 3BH Lead
63	TSN19-0404157.063	Graphite 4BH Lead
64	TSN19-0404157.064	Graphite 5BH Lead
65	TSN19-0404157.065	Graphite 6BH Lead
66	TSN19-0404157.066	Graphite 7BH Lead
67	TSN19-0404157.067	Graphite 8BH Lead
68	TSN19-0404157.068	Graphite 9B Lead
69	TSN19-0404157.069	Graphite 10B Lead
70	TSN19-0404157.070	Graphite 11B Lead
71	TSN19-0404157.071	Graphite 12B Lead
72	TSN19-0404157.072	Linden Wood
73	TSN19-0404157.073	Poplar Wood
74	TSN19-0404157.074	American Cedar Wood



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 0367 1443, or email: CR.Check@sgs.com

SGS (Shanghai) Technical Services (Shanghai) Co., Ltd.
Chemical Division

SGS Mansion, No. 41, The 6th Avenue TEDA, Tianjin, China 300467 | (86-22) 65288000 | (86-22) 25295252 | www.sgs.com
中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300467 | (86-22) 65288000 | (86-22) 25295252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 7 of 56

Result(s):

Remark:

- (1) 1mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detection (< MDL)
- (4) "-" =Not Regulated
- (5) Chromium (Cr) content can be used for screen test for hexavalent chromium and trivalent chromium analysis and to show compliance with the requirement of EN71-3:2013+A3:2018.
- (6) Tin (Sn) content can be used for screen test for hexavalent chromium and trivalent chromium analysis and to show compliance with the requirement of EN71-3:2013+A3:2018.
- (7) The migration of organic tin is expressed as methyl tin (MeT), Butyl tin (BuT), Dibutyl tin (DBT), tributyltin (TBT), Tetrabutyl tin (TeBT), n-Octyl tin (MOT), Di-n-octyl tin (DOT), Di-n-propyl tin (DProT), Diphenyl tin (DPHT) and Triphenyl tin (TPHT). Where the tin content exceeded the limit of organic tin, ten oorganic tins listed in table were determined by GC-MS.

EN71 PART 3:2013+A3:2018 Under European Directive 2009/48/EC – Mechanical of certain elements (Category I: for dry, brittle, powder-like or pliable toy material)

Test Method: With reference to EN71-3:2013+A3:2018, analysis was performed by ICP-OES, ICP-MS, IC-ICP-MS.

Organic Tin was analysis by GC-MS.

Chromium (VI) was analysis by IC-UV or IC-ICP-MS.



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8367 3443, or email: CN.Document@SGS.COM

SGS Menlo Chemical Services (China) Co., Ltd.
China

SGS Menlo, No.41, The 6th Avenue TEDA, Tianjin, China 300467 t (86-22) 65288000 f (86-22) 25205252 www.sgs.com.cn
中国·天津市经济技术开发区第六大街41号SGS大厦 邮编: 300467 t (86-22) 65288000 f (86-22) 25205252 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 8 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(49)	(50)	(51)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	(52)	(53)	(54)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1143 or email: CN.Document@sgs.com

SGS - Shanghai Technical Services (China) Co., Ltd.
 Chemical

SGS Mension, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25296252 www.sgs.com.cn
 中国·天津经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25296252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 9 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(52)	(53)	(54)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	(55)	(56)	(57)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 813071443, or email: CN_DocCheck@sgs.com

SGS Menson, No.41, The 6th Avenue TEDA, Tianjin, China 300457 1 (86-22) 65288000 1 (86-22) 25295252 www.sgs.com.cn
 中廣 - 天津市经济技术开发区第五大街41号SGS大廣 1 (86-22) 65288000 1 (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 10 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(55)	(56)	(57)
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	(58)	(59)	(60)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8317 1443, or email: CN_DocCheck@sgs.com

SGS
SGS (China) Technical Services Co., Ltd.
Chemical

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300467 1 (86-22) 65288000 f (86-22) 25295252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300467 1 (86-22) 65288000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 11 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(61)	(62)	(63)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	(64)	(65)	(66)
Aluminum (Al)	5625	mg/kg	50	ND	ND	101
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN.Doc@sgs.com

SGS Standards Technical Services (China) Co., Ltd
 Chemical

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25295252 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25295252 | a.sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 12 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(64)	(65)	(66)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	196

Test Item(s)	Limit	Unit	MDL	(67)	(68)	(69)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exonerating all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8330 1443 or email: QA.Support@sgs.com

SGS (China) Technical Services (Tianjin) Co., Ltd.
 SGS (China) Technical Services (Tianjin) Co., Ltd.

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25205262 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25205262 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 13 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(67)	(68)	(69)
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	(70)	(71)	(72)
Aluminum (Al)	5625	mg/kg	50	ND	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing (inspection) report & certificate, please contact us at telephone: (86-755) 8387 1443, or email: CN.DocCheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
 Chemical

SGS Mansion, No. 41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25265262 | www.sgs.com.cn
 中国·天津经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25265262 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 14 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(73)	(74)
Aluminum (Al)	5625	mg/kg	50	ND	ND
Antimony (Sb)	45	mg/kg	1	ND	ND
Arsenic (As)	3.8	mg/kg	0.1	ND	ND
Barium (Ba)	1500	mg/kg	50	ND	ND
Boron (B)	1200	mg/kg	50	ND	ND
Cadmium (Cd)	1.3	mg/kg	0.1	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND
Chromium III (Cr III)	37.5	mg/kg	5	ND	ND
Chromium VI (Cr VI)	0.02	mg/kg	0.001	ND	ND
Cobalt (Co)	10.5	mg/kg	0.2	ND	ND
Copper (Cu)	622.5	mg/kg	50	ND	ND
Lead (Pb)	2.0	mg/kg	0.5	ND	ND
Manganese (Mn)	1200	mg/kg	50	ND	ND
Mercury (Hg)	7.5	mg/kg	0.5	ND	ND
Nickel (Ni)	75	mg/kg	5	ND	ND
Selenium (Se)	37.5	mg/kg	5	ND	ND
Strontium (Sr)	4500	mg/kg	50	ND	ND
Tin (Sn)	15000	mg/kg	0.36	ND	ND
Organic Tin (TBT)	0.9	mg/kg	0.2	ND	ND
Zinc (Zn)	3750	mg/kg	50	ND	ND

Notes:

- (1) Additional test on Chromium III & Chromium VI was performed since Cr result Exceeded the limit of Chromium III & Chromium VI.
- (2) The Organic Tin specified in EN71-3:2013+A3:2018 was analyzed by GC-MS.



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8367 1143, or email: CN.DocCheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25205252 www.sgs.com.cn
 中国 - 天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25205252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 15 of 56

Result(s):

EN71 PART 3:2013+A3:2018 Under European Directive 2009/48/EC – Mechanical of certain elements (Category III: for scrapped-off toy material)

Test Method: With reference to EN71-3:2013, analysis was performed by ICP-OES. Chromium VI was analyzed by IC-UV.

Test Item(s)	Limit	Unit	MDL	(1)	(2)	(3)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	209
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	ND	ND	335



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8302 1343, or email: CN.QAC.Check@sgs.com

SGS (Singapore) Technical Services (Pty) Ltd
 Chemicals Division

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300467 | (86-22) 85288000 | (86-22) 25293252 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300467 | (86-22) 85288000 | (86-22) 25293252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 16 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(4)	(5)	(6)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	198	214	183
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	120	181	165

Test Item(s)	Limit	Unit	MDL	(7)	(8)	(9)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	201	215	181
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-and-conditions-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-25) 8387 1443 or email: CN.Qcscheck@sgs.com

SGS (Shanghai) Technical Service (China) Co., Ltd.
Chemical Lab

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65284000 f (86-22) 25295252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65284000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 17 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(7)	(8)	(9)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	200	258	267

Test Item(s)	Limit	Unit	MDL	(10)	(11)	(12)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	190	195	174
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1843, or email: CN.Doccheck@sgs.com

SGS Chemicals (China) Ltd.
Tianjin Branch

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25295252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 65288000 f (86-22) 25295252 s sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 18 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(10)	(11)	(12)
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	287	295	290

Test Item(s)	Limit	Unit	MDL	(13)	(14)	(15)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	136	147	161
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	342	365	392



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8317 1443 or email: CN.DesCheck@sgs.com

SGS (Shanghai) Inspection & Testing Co., Ltd.
Chemical

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 85288000 f (86-22) 25298262 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 85288000 f (86-22) 25298262 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 19 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(16)	(17)	(18)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	118	124	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	227	216	205

Test Item(s)	Limit	Unit	MDL	(19)	(20)	(21)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8387 1443, or e-mail: CN.Doc.Check@sgs.com

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25209252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 t 邮编: 300457 f (86-22) 65288000 f (86-22) 25209252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 20 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(19)	(20)	(21)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	197	162	203

Test Item(s)	Limit	Unit	MDL	(22)	(23)	(24)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 6387 1443, or email: CN_QQC@sgs.com

SGS (Shanghai) Technical Services Co., Ltd.
Chemical Testing

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25295252 | www.sgs.com
中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25295252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 21 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(22)	(23)	(24)
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	194	178	169

Test Item(s)	Limit	Unit	MDL	(25)	(26)	(27)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	185	196	257



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 0307 1443, or email: CN.Doccheck@sgs.com

SGS (Shanghai) Technical Services (China) Co., Ltd.
Chemical Testing Service

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25295252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 22 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(28)	(29)	(30)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	195	223	242

Test Item(s)	Limit	Unit	MDL	(31)	(32)	(33)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: china@sgs.com

SGS Chemicals Technical Services (China) Co., Ltd.

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 66288000 f (86-22) 25206252 www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 66288000 f (86-22) 25206252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 23 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(31)	(32)	(33)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	259	312	289

Test Item(s)	Limit	Unit	MDL	(34)	(35)	(36)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Docs@sgs.com

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25205252 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25205252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 24 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(34)	(35)	(36)
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	273	267	254

Test Item(s)	Limit	Unit	MDL	(37)	(38)	(39)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	255	242	207



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN.DQC6060@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
Chemical

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25293252 | www.sgs.com.cn
 中国 - 天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25293252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 25 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(40)	(41)	(42)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	196	174	165

Test Item(s)	Limit	Unit	MDL	(43)	(44)	(45)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)8307 1143, or email: OnlineCheck@sgs.com

SGS Chemicals (China) Technical Service Co., Ltd.
 天津 SGS 化学有限公司技术服务部

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 1 (86-22) 65288000 F (86-22) 25295252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 65288000 F (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 26 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(43)	(44)	(45)
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	189	176	157

Test Item(s)	Limit	Unit	MDL	(46)	(47)	(48)
Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Antimony (Sb)	560	mg/kg	1	ND	ND	ND
Arsenic (As)	47	mg/kg	0.1	ND	ND	ND
Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Boron (B)	15000	mg/kg	50	ND	ND	ND
Cadmium (Cd)	17	mg/kg	0.1	ND	ND	ND
Chromium (Cr)	-	mg/kg	0.004	ND	ND	ND
Chromium III (Cr III)	460	mg/kg	5	ND	ND	ND
Chromium VI (Cr VI)	0.053	mg/kg	0.001	ND	ND	ND
Cobalt (Co)	130	mg/kg	0.2	ND	ND	ND
Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Lead (Pb)	23	mg/kg	0.5	ND	ND	ND
Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Mercury (Hg)	94	mg/kg	0.5	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection reports & certificates, please contact us at telephone: (86-755) 8307 1241, or email: CN.Postcheck@sgs.com

SGS Testing Service (China) Co., Ltd.
 检测专用章
 Testing Service

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25292652 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25292652 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 27 of 56

Result(s):

Test Item(s)	Limit	Unit	MDL	(46)	(47)	(48)
Nickel (Ni)	930	mg/kg	5	ND	ND	ND
Selenium (Se)	460	mg/kg	5	ND	ND	ND
Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Tin (Sn)	180000	mg/kg	0.36	ND	ND	ND
Organic Tin (TBT)	12	mg/kg	0.2	ND	ND	ND
Zinc (Zn)	46000	mg/kg	50	102	117	114

Notes:

- (1) Additional test on Chromium III & Chromium VI was performed since Cr result Exceeded the limit of Chromium III & Chromium VI.
- (2) The Organic Tin specified in EN71-3:2013+A3:2018 was analyzed by GC-MS.

EN71 PART 9:2005+A1:2007

- ORGANIC CHEMICAL COMPOUNDS

CLAUSE	TEST ITEMS	RESULTS
2D	Monomers	Pass
2C	Primary Aromatic Amines	Pass
2G	Wood Preservatives	Pass
2B	Colorants	Pass
2E	Solvents (Migration)	Pass



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Forms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.DocCheck@SGS.COM

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 85288000 f (86-22) 25294262 www.sgs.com.cn
 中国 - 天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 85288000 f (86-22) 25294262 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 28 of 56

Result(s):

Test Part Description:

Specimen No.	SGS Sample ID	Description
1	TSN19-0404157.001	White Coating
2	TSN19-0404157.002	Steel Grey Coating
3	TSN19-0404157.003	Acid Yellow Coating
4	TSN19-0404157.004	Deep Cadmium Coating
5	TSN19-0404157.005	Yellow Ochre Coating
6	TSN19-0404157.006	Orange Coating
7	TSN19-0404157.007	Blood Orange Coating
8	TSN19-0404157.007	Pale Peach Coating
9	TSN19-0404157.009	310 Red Coating
10	TSN19-0404157.010	Scarlet Coating
11	TSN19-0404157.011	Red Coating
12	TSN19-0404157.012	Deep Red Coating
13	TSN19-0404157.013	Deep Fuchsia Coating
14	TSN19-0404157.014	Cranberry Coating
15	TSN19-0404157.015	Loganberry Coating
16	TSN19-0404157.016	Pink Coating
17	TSN19-0404157.017	Bright Pink Coating
18	TSN19-0404157.018	Purple Coating
19	TSN19-0404157.019	Royal Purple Coating
20	TSN19-0404157.020	Bright Purple Coating
21	TSN19-0404157.021	Ultramarine Coating
22	TSN19-0404157.022	Indigo Coating
23	TSN19-0404157.023	Prussian Blue Coating
24	TSN19-0404157.024	Blue Coating
25	TSN19-0404157.025	Baby Blue Coating
26	TSN19-0404157.026	Iced Blue Coating
27	TSN19-0404157.027	410 Blue Coating
28	TSN19-0404157.028	Sea Green Coating
29	TSN19-0404157.029	Light Sand Coating
30	TSN19-0404157.030	Lime Green Coating



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-and-conditions-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443 or email: CN.Doccheck@sgs.com

SGS (Shanghai) Technical Services (Tianjin) Co., Ltd.
 Chemical Co., Ltd.

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25296252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25296252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 29 of 56

Result(s):

Specimen No.	SGS Sample ID	Description
31	TSN19-0404157.031	Grey Green Coating
32	TSN19-0404157.032	Mild Green Coating
33	TSN19-0404157.033	Dark Green Coating
34	TSN19-0404157.034	Green Coating
35	TSN19-0404157.035	Pea Green Coating
36	TSN19-0404157.036	Light Green Coating
37	TSN19-0404157.037	Yellow Green Coating
38	TSN19-0404157.038	Pale Blue Coating
39	TSN19-0404157.039	Brown Coating
40	TSN19-0404157.040	Dark Brown Coating
41	TSN19-0404157.041	Pale Brown Coating
42	TSN19-0404157.042	Mid Brown Coating
43	TSN19-0404157.043	Ochre Coating
44	TSN19-0404157.044	Mid Terracotta Coating
45	TSN19-0404157.045	Brown Black Coating
46	TSN19-0404157.046	Black Coating
47	TSN19-0404157.047	Mid Grey Coating
48	TSN19-0404157.048	Mint Coating
49	TSN19-0404157.049	Graphite 9H Lead
50	TSN19-0404157.050	Graphite 8H Lead
51	TSN19-0404157.051	Graphite 7H Lead
52	TSN19-0404157.052	Graphite 6H Lead
53	TSN19-0404157.053	Graphite 5H Lead
54	TSN19-0404157.054	Graphite 4H Lead
55	TSN19-0404157.055	Graphite 3H Lead
56	TSN19-0404157.056	Graphite 2H Lead
57	TSN19-0404157.057	Graphite H Lead
58	TSN19-0404157.058	Graphite F Lead
59	TSN19-0404157.059	Graphite HB Lead
60	TSN19-0404157.060	Graphite B Lead



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8367 7443, or email: CN.Doccheck@sgs.com

SGS (Shanghai) Inspection & Testing Co., Ltd.
 中国·天津市经济技术开发区第五大街11号SGS大厦

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25204252 | www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街11号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25204252 | sgs.china@sgs.com

Result(s):

Specimen No.	SGS Sample ID	Description
61	TSN19-0404157.061	Graphite 2B Lead
62	TSN19-0404157.062	Graphite 3BH Lead
63	TSN19-0404157.063	Graphite 4BH Lead
64	TSN19-0404157.064	Graphite 5BH Lead
65	TSN19-0404157.065	Graphite 6BH Lead
66	TSN19-0404157.066	Graphite 7BH Lead
67	TSN19-0404157.067	Graphite 8BH Lead
68	TSN19-0404157.068	Graphite 9B Lead
69	TSN19-0404157.069	Graphite 10B Lead
70	TSN19-0404157.070	Graphite 11B Lead
71	TSN19-0404157.071	Graphite 12B Lead
72	TSN19-0404157.072	Linden Wood
73	TSN19-0404157.073	Poplar Wood
74	TSN19-0404157.074	American Cedar Wood

Remark:

- (1) 1mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detection (< MDL)
- (4) "-" = Not Regulated

EN71-9 : 2005+A1 : 2007 - Monomers

Test Method: As specified in European standard on safety of toys EN71-9:2005+A1:2007-Organic chemical compounds, Organic chemical compounds were determined with reference to EN71-10:2005-Sample preparation and extraction and EN71-11:2005-Method of analysis.



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
 Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)8307 1447 or email: CN.DocCheck@sgs.com

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25296252 | www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 | (86-22) 25296252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 31 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(1)	(2)	(3)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(4)	(5)	(6)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(7)	(8)	(9)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(10)	(11)	(12)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN.Decision@sgs.com

SGS (Shanghai) Testing Service Co., Ltd.
Chemical

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25205252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25205252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 32 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(13)	(14)	(15)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(16)	(17)	(18)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(19)	(20)	(21)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(22)	(23)	(24)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: 86-755-8307 1443 or email: CN.Doccheck@sgs.com

SGS Chemicals (China) Co., Ltd.
 检测专用章
 Testing Service

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 85288000 f (86-22) 25295252 www.sgs.com.cn
 中国·天津经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 85288000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 33 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(25)	(26)	(27)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(28)	(29)	(30)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(31)	(32)	(33)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(34)	(35)	(36)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)8387 4443, or email: CN.Doccheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
Chemical

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25295252 | www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 | (86-22) 65288000 | (86-22) 25295252 | s.sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 34 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(37)	(38)	(39)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(40)	(41)	(42)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(43)	(44)	(45)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(46)	(47)	(48)
Styrene	100-42-5	0.75	mg/L	0.1	ND	ND	ND
Acrylamide	79-06-1	0.02	mg/L	0.01	ND	ND	ND
Bisphenol-A	80-05-7	0.1	mg/L	0.1	ND	ND	ND
Phenol	108-95-2	15	mg/L	1	ND	ND	ND
Formaldehyde	50-00-0	2.5	mg/L	1.0	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificates, please contact us at telephone: 006-755-0347 1443, or e-mail: CN.Docscheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
 Chemical Laboratory

SGS Menslon, No.41, The 6th Avenue TEDA, Tianjin, China 300467 1 (86-22) 65288000 / (86-22) 25292552 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300467 1 (86-22) 65288000 / (86-22) 25292552 sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 35 of 56

Result(s):

EN71-9 : 2005+A1 : 2007 – Primary Aromatic Amines

Test Method: As specified in European standard on safety of toys EN71-9:2005+A1:2007-Organic chemical compounds, Organic chemical compounds were determined with reference to EN71-10:2005-Sample preparation and extraction and EN71-11:2005-Method of analysis.

Test Item(s)	CAS No.	Limit	Unit	MDL	(49)	(50)	(51)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(52)	(53)	(54)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to the General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: [86-755] 8367 1443, or email: CS.Doccheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd. Chemical Lab

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 85288000 f (86-22) 28295252 www.sgs.com.cn 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 85288000 f (86-22) 28295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 36 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(55)	(56)	(57)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(58)	(59)	(60)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(61)	(62)	(63)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)8307 1143, or email: CN.Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25291252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25291252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 37 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(64)	(65)	(66)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(67)	(68)	(69)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(70)	(71)	(72)
Aniline	62-53-3	5	mg/kg	2	ND	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 4449, or e-mail: CN.Doccheck@sgs.com

SGS (Shanghai) Test and Inspection Services Co., Ltd.
Chemical

SGS Manshon, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65269000 f (86-22) 25293252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65269000 f (86-22) 25293252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 38 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(73)	(74)
Aniline	62-53-3	5	mg/kg	2	ND	ND
o-Toluidine	95-53-4	5	mg/kg	2	ND	ND
2-Methoxyaniline	90-04-0	5	mg/kg	2	ND	ND
4-Chloroaniline	106-47-8	5	mg/kg	2	ND	ND
2-Naphthylamine	91-59-8	5	mg/kg	2	ND	ND
Benzidine	92-87-5	5	mg/kg	2	ND	ND
3,3'-Dimethylbenzidine	119-03-7	5	mg/kg	2	ND	ND
3,3'-Dichlorobenzidine	91-94-1	5	mg/kg	2	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	5	mg/kg	2	ND	ND

EN71-9 : 2005+A1 : 2007 – Wood Preservatives

Test Method: As specified in European standard on safety of toys EN71-9:2005+A1:2007-Organic chemical compounds, Organic chemical compounds were determined with reference to EN71-10:2005-Sample preparation and extraction and EN71-11:2005-Method of analysis.

Test Item(s)	CAS No.	Limit	Unit	MDL	(72)
Pentachlorophenol and its salts	-	2	mg/kg	0.4	ND
Lindane	58-89-9	2	mg/kg	0.4	ND
Cyfluthrin	68359-37-5	10	mg/kg	6	ND
Cypermethrin	52315-07-8	10	mg/kg	6	ND
Deltamethrin	52918-63-5	10	mg/kg	3	ND
Permethrin	52645-53-1	10	mg/kg	6	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(73)
Pentachlorophenol and its salts	-	2	mg/kg	0.4	ND
Lindane	58-89-9	2	mg/kg	0.4	ND
Cyfluthrin	68359-37-5	10	mg/kg	6	ND
Cypermethrin	52315-07-8	10	mg/kg	6	ND
Deltamethrin	52918-63-5	10	mg/kg	3	ND
Permethrin	52645-53-1	10	mg/kg	6	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing (inspection report & certificate), please contact us at telephons: (86-755)8367 1443 or email: CN.Doccheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
Chemical Line

SGS Menzies, No. 41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65289000 f (86-22) 25296252 www.sgs.com.cn
中国·天津经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65289000 f (86-22) 25296252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 39 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(74)
Pentachlorophenol and its salts		2	mg/kg	0.4	ND
Lindane	58-89-9	2	mg/kg	0.4	ND
Cyfluthrin	68359-37-5	10	mg/kg	6	ND
Cypermethrin	52315-07-8	10	mg/kg	6	ND
Deltamethrin	52918-63-5	10	mg/kg	3	ND
Permethrin	52645-53-1	10	mg/kg	6	ND

EN71-9 : 2005+A1 : 2007 – Colorants

Test Method: As specified in European standard on safety of toys EN71-9:2005+A1:2007-Organic chemical compounds, Organic chemical compounds were determined with reference to EN71-10:2005-Sample preparation and extraction and EN71-11:2005-Method of analysis.

Test Item(s)	CAS No.	Limit	Unit	MDL	(1)	(2)	(3)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/terms-and-conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN.DocCheck@SGS.COM

SGS Testing Service (China) Co., Ltd. Chemical

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25295652 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25295652 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 40 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(4)	(5)	(6)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(7)	(8)	(9)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (+86-755)83071443 or email: CN.Doccheck@sgs.com

SGS (China) Technical Service Co., Ltd.
 Chemical

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (+86-22) 65288000 | (+86-22) 25296252 | www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (+86-22) 65288000 | (+86-22) 25296252 | e: sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 41 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(10)	(11)	(12)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(13)	(14)	(15)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1443, or email: CN.DOCUMENT@SGS.COM

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 f (86-22) 25298252 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 65288000 f (86-22) 25298252 | e.sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 42 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(16)	(17)	(18)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(19)	(20)	(21)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity affecting inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Backcheck@sgs.com

SGS (Shanghai) Testing Service Co., Ltd.
Chemical Testing Service

SGS Menslon, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65280000 f (86-22) 25201252 www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 南线: 300457 t (86-22) 65280000 f (86-22) 25201252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 43 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(22)	(23)	(24)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(25)	(26)	(27)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_2000back@sgs.com

SGS (Shanghai) Technical Services Co., Ltd.
 Chemicals

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 1 (86-22) 85288000 f (86-22) 25208252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 85288000 f (86-22) 25208252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 44 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(28)	(29)	(30)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(31)	(32)	(33)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: 86-755-8307 4443 or email: CN.Doccheck@sgs.com

SGS (Shanghai) Special Services Co., Ltd.
Chemical

SGS Menson No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 65288000 | (86-22) 25295252 | www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 | (86-22) 65288000 | (86-22) 25295252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 45 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(34)	(35)	(36)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(37)	(38)	(39)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to terms and conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1343 or email: CN.Docscheck@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
 Chemicals Division

SGS Menslon, No.41, The 5th Avenue TEDA, Tianjin, China 300457 1 (86-22) 65288000 f (86-22) 25295252 www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 1 (86-22) 65288000 f (86-22) 25295252 sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 46 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(40)	(41)	(42)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(43)	(44)	(45)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)8307 1443 or email: CN.Doccheck@sgs.com

SGS Chemicals (China) Co., Ltd.
SGS Chemicals (China) Co., Ltd.
SGS Chemicals (China) Co., Ltd.

SGS Menslon, No.41, The 6th Avenue TEDA, Tianjin, China 300467 1 (86-22) 65268000 1 (86-22) 25293252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300467 1 (86-22) 65268000 1 (86-22) 25293252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 47 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(46)	(47)	(48)
Basic Red 9	569-61-9	10	mg/kg	2	ND	ND	ND
Acid Violet 49	1694-09-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 1	2475-45-8	10	mg/kg	2	ND	ND	ND
Disperse Blue 3	2478-46-9	10	mg/kg	2	ND	ND	ND
Basic Violet 1	8004-87-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 106	68516-81-4	10	mg/kg	2	ND	ND	ND
Solvent Yellow 1	60-09-3	10	mg/kg	2	ND	ND	ND
Basic Violet 3	548-62-9	10	mg/kg	2	ND	ND	ND
Disperse Orange 3	730-40-5	10	mg/kg	2	ND	ND	ND
Disperse Yellow 3	2832-40-8	10	mg/kg	2	ND	ND	ND
Disperse Red 1	2872-52-8	10	mg/kg	2	ND	ND	ND
Solvent Yellow 3	97-56-3	10	mg/kg	2	ND	ND	ND
Disperse Blue 124	61951-51-7	10	mg/kg	2	ND	ND	ND
Disperse Orange 37/76	12223-33-5	10	mg/kg	2	ND	ND	ND
Solvent Yellow 2	60-11-7	10	mg/kg	2	ND	ND	ND
Acid Red 26	3761-53-3	10	mg/kg	2	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8107 4443, or email: CN.Doccheck@sgs.com

SGS Menston, No. 41, The 6th Avenue TEDA, Tianjin, China 300457 | (86-22) 66288000 | (86-22) 2528262 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 66288000 | (86-22) 2528262 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 48 of 56

Result(s):

EN71-9 : 2005+A1 : 2007 – Solvents (Migration)

Test Method: As specified in European standard on safety of toys EN71-9:2005+A1:2007-Organic chemical compounds, Organic chemical compounds were determined with reference to EN71-10:2005-Sample preparation and extraction and EN71-11:2005-Method of analysis.

Test Item(s)	CAS No.	Limit	Unit	MDL	(1)	(2)	(3)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1443 or email: CN.Doccheck@sgs.com

SGS Menslon, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25205252 www.sgsgroup.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 南线: 300457 t (86-22) 65288000 f (86-22) 25205252 s sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 49 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(4)	(5)	(6)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(7)	(8)	(9)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1643, or email: CN_DOCUMENT@SGS.COM

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 | (86-22) 55288000 | (86-22) 25298252 | www.sgs.com
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300457 | (86-22) 55288000 | (86-22) 25298252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 50 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(10)	(11)	(12)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(13)	(14)	(15)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to the Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 1443 or e-mail: GB.Donchesko@sgs.com

SGS (Shanghai) Technical Service Co., Ltd.
 Chemical Testing Service

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25293252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25293252 a sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 51 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(16)	(17)	(18)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(19)	(20)	(21)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8387 3443, or email: CN.Qiachao@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25293252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25293252 s sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 52 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(22)	(23)	(24)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(25)	(26)	(27)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-256) 4397 4449 or e-mail: CN.QOCHECK@SGS.COM

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25288252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25288252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 53 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(28)	(29)	(30)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(31)	(32)	(33)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443 or email: CN.DOC.CHECK@SGS.COM

SGS Menslon, No.41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 f (86-22) 25295252 www.sgs.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25295252 e sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 54 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(34)	(35)	(36)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(37)	(38)	(39)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings of the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection reports & certificates, please contact us at telephone: (86-755) 8367 1443, or email: CN_Docscheck@sgs.com

SGS (China) Technical Services Co., Ltd.
 Chemical Testing Service

SGS Mansion, No.41, The 6th Avenue TEDA, Tianjin, China 300467 | (86-22) 65288000 | (86-22) 25295252 | www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 | 邮编: 300467 | (86-22) 65288000 | (86-22) 25295252 | sgs.china@sgs.com



Test Report No. TSNHL1900128779

Date: 10 Apr. 2019 Page: 55 of 56

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(40)	(41)	(42)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Test Item(s)	CAS No.	Limit	Unit	MDL	(43)	(44)	(45)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-a-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: [(86-755) 8387 4443, or e-mail: CN.QC.chinese@sgs.com

SGS (Shanghai) Technical Services Co., Ltd.
Chemical

SGS Mansion, No. 41, The 6th Avenue TEDA, Tianjin, China 300457 t (86-22) 65284000 f (86-22) 25293252 www.sgs.com.cn
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65284000 f (86-22) 25293252 e sgs.china@sgs.com

Result(s):

Test Item(s)	CAS No.	Limit	Unit	MDL	(46)	(47)	(48)
Methanol	67-56-1	5	mg/L	0.5	ND	ND	ND
Toluene	108-88-3	2	mg/L	0.1	ND	ND	ND
Ethylbenzene	100-41-4	1	mg/L	0.1	ND	ND	ND
Xylene (all isomers)	Various	2	mg/L	0.3	ND	ND	ND
Cyclohexanone	108-94-1	46	mg/L	0.1	ND	ND	ND
2-Ethoxyethanol	110-80-5	-	mg/L	0.01	ND	ND	ND
2-Methoxypropyl acetate	70657-70-4	-	mg/L	0.01	ND	ND	ND
2-Methoxyethyl acetate	110-49-6	-	mg/L	0.01	ND	ND	ND
2-Ethoxyethyl acetate	111-15-9	-	mg/L	0.01	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	-	mg/L	0.01	ND	ND	ND
Nitrobenzene	98-95-3	0.02	mg/L	0.01	ND	ND	ND
Trichloroethylene	79-01-6	0.02	mg/L	0.01	ND	ND	ND
Dichloromethane	75-09-2	0.06	mg/L	0.2	ND	ND	ND
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3	mg/L	0.1	ND	ND	ND

Notes:

- (1) Mg/L = milligram per liter
- (2) The limit of 2-Ethoxyethanol, 2-Methoxypropyl acetate, 2-Methoxyethyl acetate, 2-Ethoxyethyl acetate, Bis(2-methoxyethyl) ether is 0.5 mg/L (Total).

*** End of Report ***



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to terms and conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to the Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8367 1443, or email: CN_Doccheck@sgs.com

