

CRECIMIENTO INDUSTRIAL CO., LTD.
XI ZHUANG, WUTANG, HANJIANG, PUTIAN, FUJIAN, China

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

Sample Description : polyurethane

Application No. : 32411
Buyer : Puma
Division : Footwear
Testing Lab : SGS CHINA GUANGZHOU-
Product type : Others
Test Program : RSL
Test Specification : V-03 2019
Sourcing Office : PUMA FOOTWEAR TEAM-FAR EAST-
Season : AW2019
Sample Type : Material
Test Package/Material Type : POLYMERS, PLASTICS-PU, TPU, TPR, OTHERS
Sample Status : PRODUCTION
Style No./ Chemical Product No. : /
Color Way : /
Material Color /Code : (A)BLACK; (B)GRAY
Purchase Order No. : /
T1 Supplier : /
T1 Puma Supplier No. : /
T1 FFC No. : /
T2 Supplier : CRECIMIENTO CHINA-CHINA
T2 Puma Material Supplier No. : /
T2 FFC No. : /
Supplier Material Name : PU FOAM
Supplier Material Code : /
Retest : NO
Previous report No. : /
Oeko Tex certified product : /
Country of Origin : China
Country of Destination : -
Addition Information : /

Sample Receiving Date : Aug 08, 2019
Testing Period : Aug 08, 2019 - Aug 14, 2019

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

Test Performed : Selected test(s) as requested by applicant



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
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
198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Conclusion		Remark
Formaldehyde	M	
Alkylphenols(AP)	M	
Alkylphenol Polyethoxylates(APEO)	M	
Chlorinated Paraffins	M	
Extractable Heavy Metal	M	
Total Cadmium(Cd)	M	
Total Lead Content(Non-Metal)	M	
Monomer - Styrene	M	
Vinyl Chloride Monomer(VCM)	M	
Organotins	M	
Phthalates	M	
Polycyclic Aromatic Hydrocarbons (PAHs)	M	
Solvents	M	
Volatile Organic Compounds(VOC)	M	

Remark(s) : M = Meet Puma's Requirement

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



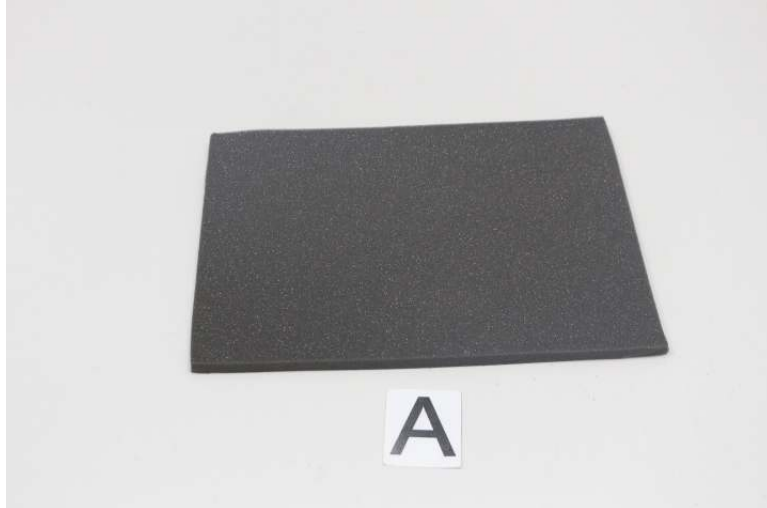
Huang Asan
Approved Signatory

This test report refer only to the samples tested



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
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
198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Sample Photo



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.

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

COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
A	-	polyurethane		BLACK	
A	1	Dark grey Foam	Foam	Dark grey	
B	-	polyurethane		GRAY	
B	2	Ligth grey foam	Foam	Ligth grey	



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.

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

198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Test Result

Formaldehyde in Textile

(EN ISO 14184-1:2011; Analysis was performed by UV-Vis.)

	Cas No	Result (mg/kg) Sample (1)+(2)
-	50-00-0	ND
Formaldehyde		
Conclusion		Pass
Requirement: -		

Note:

n.d. = Not detected

mg/kg = ppm

* = Exceed the limit

= result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement

Detection limit = 16 mg/kg

Requirement

Babies: 16 mg/kg

Adults and Children: 75 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.

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

Alkylphenols (AP)

Test Method: Textile: In house method – Solvent Extraction. Analysis was conducted by HPLC-MS / GC-MS.

	CAS-No.	Result
		1+2
Nonylphenol (NP)	--	n.d.
Octylphenol (OP)	--	n.d.
Sum of NP & OP	--	n.d.
Conclusion	--	PASS

Note: n.d. = Not Detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement.
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 10 mg/kg (for individual substance)

Requirement:
Sum of NP & OP 100 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Alkylphenol Ethoxylates (APEO)

Test Method: Non-leather: With reference to EN ISO 18254-1:2016. Analysis was conducted by HPLC-MS.

	CAS-No.	Result
		1+2
Nonylphenol Ethoxylate (NPEO)	--	n.d.
Octylphenol Ethoxylate (OPEO)	--	n.d.
Sum of NPEO & OPEO	--	n.d.
Conclusion	--	PASS

Note: n.d. = Not Detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement.
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 20 mg/kg (for individual substance)

Requirement:
Sum of NPEO & OPEO 100 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Chlorinated Paraffins

Test Method: With reference to combined CADS / EN ISO 18219: 2015. Analysis was conducted by GC-NCI-MS.

	CAS-No.	Result
		1+2
Short Chain Chlorinated Paraffin (SCCP)	85535-84-8	n.d.
Medium Chain Chlorinated Paraffin (MCCP)	85535-85-9	n.d.
Conclusion	--	PASS

Note: n.d. = Not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement.
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 100 mg/kg (for individual substance)

Requirement 1000 mg/kg (for individual substance)



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Extractable Heavy Metal

Test Method: Other materials: With reference to EN 16711-2:2016. Analysis was performed ICP-OES or ICP-MS. CrVI: With reference to ISO 17075-1:2017. Analysis was performed by UV-VIS

	CAS-No.	Result
		1+2
Antimony (Sb)	7440-36-0	n.d.
Arsenic (As)	7440-38-2	n.d.
Cadmium (Cd)	7440-43-9	n.d.
Chromium (Cr)	7440-47-3	n.d.
Chromium VI (CrVI)	18540-29-9	n.d.
Cobalt (Co)	7440-48-4	n.d.
Copper (Cu)	7440-50-8	n.d.
Lead (Pb)	7439-92-1	n.d.
Mercury (Hg)	7439-97-6	n.d.
Nickel (Ni)	7440-02-0	n.d.
Selenium (Se)	7782-49-2	n.d.
Conclusion	--	PASS

Note: n.d. = Not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement.
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement

Requirement

	Detection Limit (mg/kg)	Babies (mg/kg)	Children (mg/kg)	Adults (mg/kg)
Antimony (Sb)	3.0	30.0	30.0	30.0
Arsenic (As)	0.1	0.2	0.2	0.2
Cadmium (Cd)	0.05	0.1	0.1	0.1
Chromium (Cr)	0.5	2.0	2.0	2.0
Chromium VI (CrVI)	0.5	1.0	1.0	1.0
Cobalt (Co)	0.5	1.0	1.0	4.0
Copper (Cu)	5.0	25.0	25.0	50.0
Lead (Pb)	0.1	0.2	1.0	1.0
Mercury (Hg)	0.02	0.02	0.02	0.02
Nickel (Ni)	0.1	1.0	1.0	1.0
Selenium (Se)	50.0	500	500	500



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Total Cadmium Content

Test Method: Other materials: With reference to DIN EN 16711-1:2016. Analysis was conducted by ICP-OES or ICP-MS.

	<u>CAS-No.</u>	<u>Result</u>
		1+2
Cadmium (Cd)	7440-43-9	n.d.
Conclusion	--	PASS

Note: n.d.= Not detected
 mg/kg = ppm
 * = Exceeds the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit = 5 mg/kg
Requirement 40 mg/kg

Total Lead Content

Test Method: Non-Metal: With reference to CPSC-CH-E1002-08.3. Analysis was conducted by ICP-OES or ICP-MS.

	<u>CAS-No.</u>	<u>Result</u>
		1+2
Lead (Pb)	7439-92-1	n.d.
Conclusion	--	PASS

Note: n.d.= Not detected
 mg/kg = ppm
 * = Exceeds the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit = 10 mg/kg
Requirement 90 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Monomer - Styrene

Test Method: In house Method-Solvent Extraction. Analysis was conducted by GC-MS.

	<u>CAS-No.</u>	<u>Result</u>
Styrene	100-42-5	1+2 n.d.
Conclusion	--	PASS

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit: 50 mg/kg

Requirement 500 mg/kg

Monomer – Vinyl Chloride

Test Method: With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-MS.

	<u>CAS-No.</u>	<u>Result</u>	
		1	2
Vinyl Chloride	75-01-4	n.d.	n.d.
Conclusion	--	PASS	PASS

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit: 1 mg/kg

Requirement 1 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Organotin

Test Method: With reference to CEN ISO/TS 16179:2012. Analysis was conducted by GC-MS.

	CAS-No.	Result
		1+2
Dibutyltin (DBT)	--	n.d.
Diocetyl tin (DOT)	--	n.d.
Monobutyltin (MBT)	--	0.1 mg/kg
Tricyclohexyltin (TCyT)	--	n.d.
Trimethyltin (TMT)	--	n.d.
Triocetyl tin (TOT)	--	n.d.
Tripropyltin (TPT)	--	n.d.
Tributyltin (TBT)	--	n.d.
Triphenyltin (TPhT)	--	n.d.
Conclusion	--	PASS

Note: n.d.= not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 0.1 mg/kg (for individual substance)

Requirement

DBT, DOT, MBT, TCyT, TMT, TOT, TPT 1.0 mg/kg (for individual substance)
TBT, TPhT 0.5 mg/kg (for individual substance)



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4. Analysis was conducted by GC-MS.

	<u>CAS-No.</u>	<u>Result</u>
		1+2
Diisononyl Phthalate (DINP)	28553-12-0	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.
Dibutyl Phthalate (DBP)	84-74-2	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	n.d.
Di-n-Hexylphthalate (DnHP)	84-75-3	n.d.
Diethylphthalate (DEP)	84-66-2	n.d.
Dimethylphthalate (DMP)	131-11-3	n.d.
Di-n-pentylphthalate (DnPP)	131-18-0	n.d.
Dicyclohexyl phthalate (DCHP)	84-61-7	n.d.
Di-C6-8 branched alkylphthalate (DIHP)	71888-89-6	n.d.
Bis (2-methoxyethyl) phthalate (DMEP)	117-82-8	n.d.
Diisopentylphthalate (DiPP)	605-50-5	n.d.
Di-n-propyl phthalate (DPRP)	131-16-8	n.d.
Di-isooctyl phthalate (DIOP)	27554-26-3	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear standard (DIHP)	68515-50-4	n.d.
Di-C7-11 branched alkylphthalate (DHNUP)	68515-42-4	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)	84777-06-0	n.d.
Sum	--	n.d.
Conclusion	--	PASS

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit: 50 mg/kg (for individual substance)

Requirement	
Each	500 mg/kg
Sum	1000 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Polyaromatic hydrocarbons Content (PAH)

Test Method: With reference to AfPS GS 2014:01 PAK. Analysis was conducted by GC-MS.

	CAS-No.	Result
		1+2
Acenaphthene (ANA)	83-32-9	n.d.
Acenaphthylene (ANY)	208-96-8	n.d.
Anthracene (ANT)	120-12-7	n.d.
Benzo[g,h,i]perylene (BPE)	191-24-2	n.d.
Fluorene (FLU)	86-73-7	n.d.
Fluoranthene (FLT)	206-44-0	n.d.
Indeno[1,2,3-cd]pyrene (IPY)	193-39-5	n.d.
Naphthalene (NAP)	91-20-3	n.d.
Phenanthrene (PHE)	85-01-8	n.d.
Pyrene (PYR)	129-00-0	n.d.
Benzo[a]anthracene (BaA)	56-55-3	n.d.
Benzo[a]pyrene (BaP)	50-32-8	n.d.
Benzo[b]fluoranthene (BbF)	205-99-2	n.d.
Benzo[e]pyrene (BeP)	192-97-2	n.d.
Benzo[j]fluoranthene (BjF)	205-82-3	n.d.
Benzo[k]fluoranthene (BkF)	207-08-9	n.d.
Chrysene (CHR)	218-01-9	n.d.
Dibenzo[a,h]anthracene (DBA)	53-70-3	n.d.
Sum	--	n.d.
Conclusion	--	PASS

Note: n.d. = Not detected
 mg/kg = ppm
 * = Exceeds the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 0.2 mg/kg (for individual substance)

Requirement

	Childcare Article	Others
Benzo[a]anthracene	0.5 mg/kg	1 mg/kg
Benzo[a]pyrene	0.5 mg/kg	1 mg/kg
Benzo[b]fluoranthene	0.5 mg/kg	1 mg/kg
Benzo[e]pyrene	0.5 mg/kg	1 mg/kg
Benzo[j]fluoranthene	0.5 mg/kg	1 mg/kg
Benzo[k]fluoranthene	0.5 mg/kg	1 mg/kg
Chrysene	0.5 mg/kg	1 mg/kg
Dibenzo[a,h]anthracene	0.5 mg/kg	1 mg/kg
Sum of 18 PAH	10 mg/kg	10 mg/kg



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Solvents

Test Method: With reference to DIN CEN ISO/TS 16189:2013. Analysis was conducted by GC-MS.

	<u>CAS-No.</u>	<u>Result</u>
		1+2
N,N-Dimethylformamide (DMFa)	68-12-2	n.d.
Formamide	75-12-7	n.d.
N,N-Dimethylacetamide (DMAC)	127-19-5	n.d.
1-Methyl-2-pyrrolidone (NMP)	872-50-4	n.d.
Conclusion	--	PASS

Note: n.d. = Not detected
 mg/kg = ppm
 * = Exceeds the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on on more components. Retesting on individual component is recommended to determin the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on on or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection Limit = 50 mg/kg (for individual substance)

Requirement

N,N-Dimethylformamide (DMFa)
Formamide, DMAC, NMP

500 mg/kg
1000 mg/kg (for individual substance)



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Scienteck Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com

Volatile Organic Compounds

Test Method: In house method. Analysis was conducted by headspace GC-MS.

	CAS-No.	Result
		1+2
Benzene	71-43-2	n.d.
Carbon disulfide	75-15-0	n.d.
Carbon Tetrachloride	56-23-5	n.d.
Chloroform	67-66-3	n.d.
Cyclohexanone	108-94-1	n.d.
1,1-Dichloroethylene	75-35-4	n.d.
1,2-Dichloroethane	107-06-2	n.d.
Ethylbenzene	100-41-4	n.d.
Pentachloroethane	76-01-7	n.d.
1,1,1,2- Tetrachloroethane	630-20-6	n.d.
1,1,2,2- Tetrachloroethane	79-34-5	n.d.
Tetrachloroethylene (PER)	127-18-4	n.d.
Toluene	108-88-3	n.d.
1,1,1- Trichloroethane	71-55-6	n.d.
1,1,2- Trichloroethane	79-00-5	n.d.
Trichloroethylene	79-01-6	n.d.
Xylenes (meta-, ortho-, para-)	1330-207	n.d.
Sum of VOCs (Except Benzene)	--	n.d.
conclusion	--	PASS

Note: n.d. = not detected
 mg/kg = ppm
 * = Exceed the limit
 # = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement
 Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement
 Detection limit
 Benzene = 5 mg/kg
 Others = 20 mg/kg (for individual substance)

Requirement
Benzene 5 mg/kg
Sum of VOCs (Except benzene) 1000 mg/kg

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



Unless otherwise agreed in writing, 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 and such sample(s) are retained for 30 days only.
 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
 198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com