

No. CANEC2100429801

Date: 15 Jan 2021

Page 1 of 10

ALPHA FLOCK SHUNDE LTD

NO.8 SI ROAD, SCI-TECH ZONE, XINGTAN INDUSTRIAL PARK, SHUNDE DISTRICT, FOSHAN

CITY, GUANGDONG PROVINCE, CHINA

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

SGS Job No.:

CP21-000552 - SZ

Date of Sample Received:

08 Jan 2021

Testing Period:

08 Jan 2021 - 15 Jan 2021

Test Requested:

Selected test(s) as requested by client.

Test Method:

Please refer to next page(s).

Test Results:

Please refer to next page(s).

Result Summary:

Test Requested	Conclusion
EN 71-3:2019 - Migration of Certain Elements (Category III: Scrapped-off toy material)	PASS
AS/NZS ISO 8124-3:2012+A1:2016-Migration of Certain Elements (Any toy material except modeling clay and finger paint)	PASS
Entry 23 of Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Cadmium and its compounds	See Results
American Society for Testing and Materials -ASTM F963-17(Clause 4.3.5) - total Lead in Substrate Materials	PASS
American Society for Testing and Materials-ASTM F963-17(Clause 4.3.5)-soluble heavy metal in Substrate Materials/paint and similar surface-coating materials	PASS
CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)	PASS
CONSUMER PRODUCT SAFETY COMMISSION16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	PASS
Canada Consumer Product Safety Act(S.C. 2010, c. 21), Phthalates Regulations SOR/2016-188)-Phthalates	PASS
Entry 51 & 52 of Regulation (EU) 2018/2005 & (EU) 2015/326 amending Annex (VII of REACH Regulation (EC) No 1907/2006 - Phthalate	PASS
ormaldehyde	See Results



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printee overleaf, available on request or accessible at https://mww.sas.com/er/Terms-and-Conditions.aspy and, for electronic format documents subject to Terms and Conditions for Electronic Documents at https://mww.sas.com/er/Terms-and-Conditions/Terms-e-Document.aspy. Attention is clarawn 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 to client's instructions, if any. The Company's sole responsibility is to its Client and this document and does not excert to produce to transaction from oxercising all their rights and obligations under the transaction documents. This document is one responsible to the fundamental description of the content of appearance of this document is unlawful and offender 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(a) tested.

10663

t (86-20) 82155555 www.sgsgroup.com.c t (86-20) 82155555 sgs.china@sgs.com



No. CANEC2100429801

Date: 15 Jan 2021

Page 2 of 10

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

Jessieli

Jessie Li Approved Signatory





n report & certificate, please contact us at talephone; (86-755) 6387 1443.

Attention: To check the authention of committee of the c

t (86-20) 82155555 1 (86-20) 82155555 sgs.china@sgs.com



No. CANEC2100429801

Date: 15 Jan 2021

Page 3 of 10

Test Results:

Test Part Description

Specimen No.

Description

SN1

CAN21-004298.001 Grey material

Remarks:

(1) 1 mg/kg = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

EN 71-3:2019 - Migration of Certain Elements (Category III: Scrapped-off toy material)

Test Method: With reference to EN 71-3:2019, analysis was performed by ICP-OES.

Chromium (VI) was analyzed by IC-UV/LC-ICP-MS.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>
Soluble Aluminum (AI)	70000	mg/kg	50	489
Soluble Arsenic (As)	47	mg/kg	10	ND
Soluble Boron (B)	15000	mg/kg	50	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND
Soluble Lead (Pb)	23	mg/kg	10	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND
Soluble Selenium (Se)	460	mg/kg	10	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND
Soluble Organic Tin	12	mg/kg	-	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND
Comment				PASS

Notes:

1. Soluble Chromium (III)= Soluble Total Chromium-Soluble Chromium (VI)



www.sgsgroup.com.cn

ngshou,China 510663 中国·广州·经济技术开发区科学城科珠路198号

1 (86-20) 82155555 t (86-20) 82155555

ags.china@ags.com





No. CANEC2100429801

Date: 15 Jan 2021

Page 4 of 10

2. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019.

AS/NZS ISO 8124-3:2012+A1:2016-Migration of Certain Elements (Any toy material except modeling clay and finger paint)

Test Method: With reference to AS/NZS ISO 8124-3:2012+A1:2016, analysis was performed by ICP-OES.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	001
Soluble Arsenic (As)	25	mg/kg	5	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND
Soluble Lead (Pb)	90	mg/kg	5	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND
Soluble Selenium (Se)	500	mg/kg	10	ND
Comment				PASS

Notes:

(1)Results shown are of the adjusted analytical results.

Entry 23 of Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006-Cadmium and its compounds

Test Method: SGS In-house method (GZTC CHEM-TOP-004-01, with reference to US EPA Method

3052:1996), analysis was performed by ICP-OES.

 Test Item(s)
 CAS NO.
 Limit
 Unit
 MDL
 001

 Cadmium (Cd)
 7440-43-9
 0.01
 %(w/w)
 0.0005
 ND

American Society for Testing and Materials -ASTM F963-17(Clause 4.3.5) - total Lead in Substrate Materials

Test Method: With reference to CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES.



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.ags.com/en/Terms-and-Conditions.appy and, for electronic format documents, at http://www.ags.com/en/Terms-and-Conditions.appy and, for electronic format documents, at http://www.ags.com/en/Terms-and-Conditions.appy and Attention is drawn to the limitation of liability, indemnification and justices and the firms-and-Conditions.appy and the firms-and-Conditions-appy and the firms-and-Conditions-appy and the firms-and-Conditions-appy and-conditions-appy and-conditio

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

198 Kachu Road, Scientech Park Garryston Economic & Technology Development Destric (Guargehou, China: 510663 中国・广州・经济技术开发区科学城科珠路198号 邮編: 510663

1 (86-20) 82155555 www. 1 (86-20) 82155555 ags.d



No. CANEC2100429801

Date: 15 Jan 2021

Page 5 of 10

Test Item(s)

Limit 100 Unit MDL mg/kg 20 <u>001</u>

ND PASS

Total Lead (Pb)
Comment

American Society for Testing and Materials-ASTM F963-17(Clause 4.3.5)-soluble heavy metal in Substrate Materials/paint and similar surface-coating materials

Test Method: With reference to ASTM F963-17(Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	001
Soluble Lead (Pb)	90	mg/kg	5	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND
Soluble Selenium (Se)	500	mg/kg	10	ND
Comment				PASS

Notes:

Results shown are of the adjusted analytical results.

CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by ICP-OES.

 Test Item(s)
 Limit
 Unit
 MDL
 001

 Lead (Pb)
 0.01
 %(w/w)
 0.002
 ND

 Comment
 PASS

CONSUMER PRODUCT SAFETY COMMISSION—16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.



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 <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-and-

Attention: To check the authenticity of lesting (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or amail: CN Doccheck (Page com

1981 Kechu Road, Scientech Park Guargobou Economic & Technology Development District, Guargobou, China. 510663 ch 1981、广州、63 (大井 平正 計 17 至) (計 15 12 12 13 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15

663 t (86-20) 82155555 663 t (86-20) 82155555

www.sgsgroup.com.cn



Test Report No. CANEC2100	429801	Date: 1	5 Jan 2021	Pa	ge 6 of 10
Test Item(s)	CAS NO.	Limit	<u>Unit</u>	MDL	001
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 /	0.1	%(w/w)	0.005	ND
	68515-48-0				
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND
Comment					PASS

Canada Consumer Product Safety Act(S.C. 2010, c. 21), Phthalates Regulations (SOR/2016-188)-Phthalates

Test Method: With reference to Canada Health, Product Safety Laboratory, Book 5 Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-34:2007, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	001
For the vinyl in a toy or child care article					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	30	ND
For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of					
age Diisononyl Phthalate (DINP)	28553-12-0 /	1000	mg/kg	100	ND
Dischonyl Phinalate (DiNF)	68515-48-0	1000	mg/kg	100	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /	1000	mg/kg	100	ND
	68515-49-1				
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Comment					PASS

Entry 51 & 52 of Regulation (EU) 2018/2005 & (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalate

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	<u>Unit</u>	MDL	001
Dibutyl phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Butyl benzyl ohthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND



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.sis.com/en/Terms-and-Conditions/arabys, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sis.com/en/Terms-and-Conditions/Terms-and-Condition

Attention: To check the authenticity of testing /inspection report & cartificate, please contact us at telephone: (86-755) 8307 1441 or email: CN Doccheck@sqs.com

| 159 Katu Rood, Sciented Park Garcytov Economic & Technology Development Distric Garcytov (Dates 510663 1 (86-20) 82155555 www.s.gs.group.com.cr 中国・广州・経済技术开发区科学城科策路198号 邮箱: 510663 1 (86-20) 82155555 sgs.china@sgs.com



Test Report E No. CANEC2	100429801	Date: 1	5 Jan 2021	Pa	age 7 of 10
Test Item(s)	CAS NO.	<u>Limit</u>	<u>Unit</u>	MDL	001
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalates (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Total (DBP + BBP + DEHP+DIBP)	-	0.1	%(w/w)	-	ND
Diisononyl Phthalate (DINP)	28553-12-0 /	-	%(w/w)	0.005	ND
	68515-48-0				
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /	-	%(w/w)	0.005	ND
	68515-49-1				
Total (DINP + DNOP + DIDP)	-	0.1	%(w/w)	-	ND
Comment					PASS

Notes:

- (1) DBP,BBP,DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:
- i) Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
- ii) Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.
- iii) shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.

Please refer to Regulation (EU) 2018/2005 to get more detail information

- (2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.
- i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
- ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EU) 2015/326 to get more detail information

Formaldehyde

Test Method: With reference to ISO 14184-1:2011, analysis was performed by UV-Vis.

 Test Item(s)
 CAS NO.
 Unit
 MDL
 001

 Formaldehyde
 50-00-0
 mg/kg
 16
 ND



Attention: To check the authenticity of losting linspection report & certificate, please contact us at telephone: (86-765) 8387 1443

or email: CR_Deschesk83s8.sem IMEXahPutXdexide2hQuargetormini3 lletridogr@teskometDeixLQuargetoqCias 510663 1 (86-20)82155555 www.sgsgroup.com. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 1 (86-20)82155555 sgs.chine@sgs.com



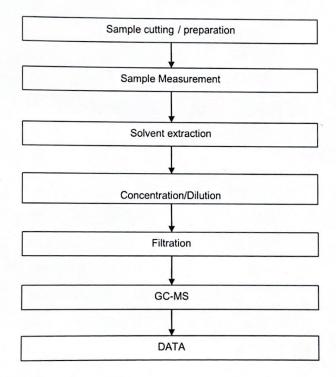
No. CANEC2100429801

Date: 15 Jan 2021

Page 8 of 10

ATTACHMENTS







邮编: 510663

t (86-20) 82155555 t (86-20) 82155555

sgs.china@sgs.com



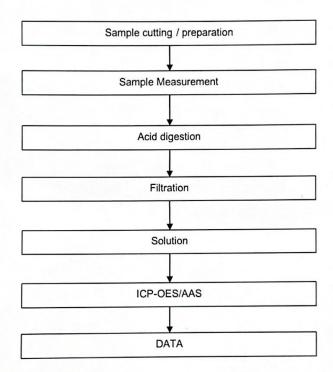
ATTACHMENTS

No. CANEC2100429801

Date: 15 Jan 2021

Page 9 of 10

Elementary Testing Flow Chart





邮编: 510663

199 Kezhu Rozd Scientech Park Guargetou Economic & Technology Development Di 中国・广州・経済技术开发区科学城科珠路198号

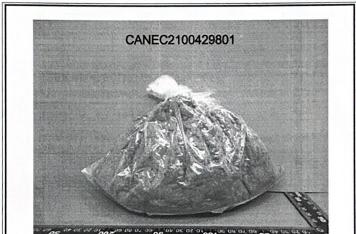
t (86-20) 82155555 1 (86-20) 82155555



No. CANEC2100429801

Date: 15 Jan 2021

Page 10 of 10



SGS authenticate the photo on original report only

CAN21-004298.001

*** 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/terma-end-Conditions.aspx and, for electronic Protections, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/terma-end-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein yn 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 lib Client and his document oes 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 clistification 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 lost report refer only to the sample(s) tested.

Attention: To check the suthenticity of testing finspection report & cartificate, please contact us at telephone: (86-755) 8307 144.

premail: CN_Describeskgisga.com 198 Katu Raad Sciented Part Currytou Economic & Technology Owelopment District, Gurrytou, China 510663 中国・广州・经济技术开发区科学城科珠路198号 邮第: 510663 t (86-20) 82155555 t (86-20) 82155555

sgs.china@sgs.com