

No.: CANML1302674502

SHENZHEN GENVAN SILICONE MATERIALS CO., LTD

DONGGUAN GENVAN SILICONE TECHNOLOGY CO.,LTD NO.29 SHAKENG ROAD,BILING,PINGSHAN,LONGGANG,SHENZHEN,CHINA B3 BUILDING,2ND DISTRICT,XICHENG INDUSTRIAL ZONE HENGLI TOWN,DONGGUAN,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : silicone GA-3071

SGS Job No.	: GC130300973 - GZ
Tested Sample Info.	: GA-3071
Client Ref. Info.	: GA-1 series/GA-2 series/GA-3 series/GA-6 series/GA-7 series/ GA-8 series/GA-9 series
Date of Sample Received	: 06 Mar 2013
Testing Period	: 06 Mar 2013 – 14 Mar 2013
Test Requested:	 A: As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):- Lead in accessible substrate materials Phthalates
	B~D: 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 : A:

ltem	Test Parameter	Conclusion
1	CPSIA section 101(a)(2) - Lead in accessible substrate materials (PASS
	including Children's Metal Jewelry)	
2	CPSIA section 108 - Phthalates	PASS

Conclusion:

: B: Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) **comply with** the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of SGS-CSTC Ltd.

Trophy Zhang Approved Signatory

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Test Results:

Test Part Description:

Specimen No.	SGS Sample ID	Description
1	CAN13-026745.001	Transparent sheet

Remarks:

1 mg/kg = 1 ppm = 0.0001%
 MDL = Method Detection
 ND = Not Detected (< MDL)
 "-" = Not Regulated

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

Test Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

<u>Test item</u>	Permissible Limit**	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Lead (Pb)	0.01	%	0.002	ND
Comment				Pass

** Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

CPSIA section 108 - Phthalates

Method: With reference to-CPSC-CH-C1001-09.3. Analysis was performed by GC-MS.

Concentration of phthalates in components of toy product

Test item(s)	Permissible Limit	Unit	MDI	001
<u>-roornom(oy</u>	per component	<u>01111</u>	MDE	<u></u>
Dibutyl Phthalate(DBP)	0.1	%	0.003	ND
Benzylbutyl Phthalate(BBP)	0.1	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	0.1	%	0.003	ND
Comment				Pass

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Concentration of phthalates in components of toy that can be placed in the mouth or childcare article

Test item(s)	Permissible Limit	Unit	MDL	001
	per component			
Diisononyl Phthalate(DINP)	0.1	%	0.010	ND
Di-n-octyl Phthalate(DNOP)	0.1	%	0.003	ND
Diisodecyl Phthalate(DIDP)	0.1	%	0.010	ND
Comment				Pass

B: RoHS Directive 2011/65/EU

Test Method: With reference to IEC 62321:2008

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) Determination of PBBs and PBDEs by GC-MS.

Test Item(s):	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium(Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND

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Tribromodiphenyl ether	-	mg/kg	5	ND		
Tetrabromodiphenyl ether	-	mg/kg	5	ND		
Pentabromodiphenyl ether	-	mg/kg	5	ND		
Hexabromodiphenyl ether	-	mg/kg	5	ND		
Heptabromodiphenyl ether	-	mg/kg	5	ND		
Octabromodiphenyl ether	-	mg/kg	5	ND		
Nonabromodiphenyl ether	-	mg/kg	5	ND		
Decabromodiphenyl ether	-	mg/kg	5	ND		

Notes:

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II.

C: Polynuclear Aromatic Hydrocarbons (PAHs)

Test Method: With reference to ZEK 01.4-08 of German ZLS and its amendments, analysis was performed by GC-MS.

<u>Unit</u>	<u>MDL</u>	<u>001</u>
mg/kg	0.2	ND
mg/kg	0.4	ND
mg/kg	0.2	ND
mg/kg	-	ND
	Unit mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Unit MDL mg/kg 0.2 mg/kg





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ZEK 01.4-08: Restraining maximum values for products

Parameter	Category 1	Category 2	Category 3
	Material indented to be put in the mouth or material for toys with normal skin contact for children aged < 36 months	Materials those are not included in Category 1, with predictable contact with the skin longer than 30 s. (long-term skin contact)	Materials those are not included in Category 1 or 2, with predictable skin contact up to 30 s (short-term skin contact).
Benzo[a]pyrene (mg/kg)	<mdl (<0.2)**<="" td=""><td>1</td><td>20</td></mdl>	1	20
Sum of 18 PAH(US EPA) (mg/kg)*	<mdl (<0.2)**<="" td=""><td>10</td><td>200</td></mdl>	10	200

Notes:

- * = Only PAH substances >0.2 mg/kg are taken into account while calculating the sum of PAHs
- ** = In case that the maximum values exceed the limits of category 1, but are within the limits of category 2, one may confirm the suitability of the tested material which is indented to be put in the mouth by additional specific migration tests of PAH components based on DIN EN 1186ff and §64 LFGB 80.30-1. The conclusion of the migration test results must be made based on food law criteria.

D: Halogen

Test Method: With reference to EN 14582:2007, analysis was performed by IC.

<u>Test Item(s):</u>	<u>Unit</u>	MDL	<u>001</u>
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
lodine (I)	mg/kg	50	ND





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Sample photo :

NG SER



SGS authenticate the photo on original report only

*** End of Report ***

