

Test Report

No. SHAHG1910518301

Date: 28 May 2019

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P&E FLOW TECHNOLOGY CO.,LTD.

#4299,THIRD AVENUE,BINHAI ECONOMIC&TECH,LONGWAN,325000,WENZHOU,ZHEJIANG,CHINA

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

SGS Job No. : SHHL1905025114OT - SH
 Date of Sample Received : 21 May 2019
 Testing Period : 21 May 2019 - 28 May 2019
 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
Bisphenol-A	See Results
CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	PASS
Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to Regulation (EC) No 1907/2006-Phthalates	PASS
Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)- Phthalate	PASS

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Jenny Yao
 Approved Signatory



SHAHG1910518301



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA19-105183.001	Translucent silicone rubber ring(Small)
SN2	SHA19-105183.002	Translucent silicone rubber ring(Big)

Remarks :

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

Bisphenol-A

Test Method : Extraction by organic solvent, Analysis by HPLC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Bisphenol-A	mg/kg	0.1	ND

CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307 [Docket No. CPSC-2014-0033], 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(2018), analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	0.1	%	0.005	ND
Di(2-ethylhexyl)phthalate/Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Diisobutyl Phthalates (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	0.1	%	0.005	ND
Dipentyl Phthalates (DPENP)	131-18-0	0.1	%	0.005	ND

Conclusion

PASS

Notes :

On October 27, 2017, the CPSC published the final rule in the Federal Register (82 FR 49938) to restrict



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phthalates in toys and child care articles under section 108 of the CPSIA, this final rule has in effect restricted a total of eight phthalates in children's toys and child care articles. It will become effective on April 25, 2018, and applies to toys and child care articles that are manufactured or imported from this date

Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to Regulation (EC) No 1907/2006-Phthalates

Test Method : With reference to EN 14372: 2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit	MDL	001
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
Diisobutyl Phthalate (DIBP)	0.1	%	0.003	ND
Total (DBP + BBP + DEHP+DIBP)	0.1	%	-	ND
Conclusion				PASS

Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)- Phthalate

Test Method : With reference to EN 14372: 2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit	MDL	001
Diisononyl Phthalate (DINP)	-	%	0.01	ND
Di-n-octyl Phthalate (DNOP)	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	-	%	0.01	ND
Total (DINP + DNOP + DIDP)	0.1	%	-	ND
Conclusion				PASS

Notes :

European Parliament adopted new phthalate Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC);
 (1) DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

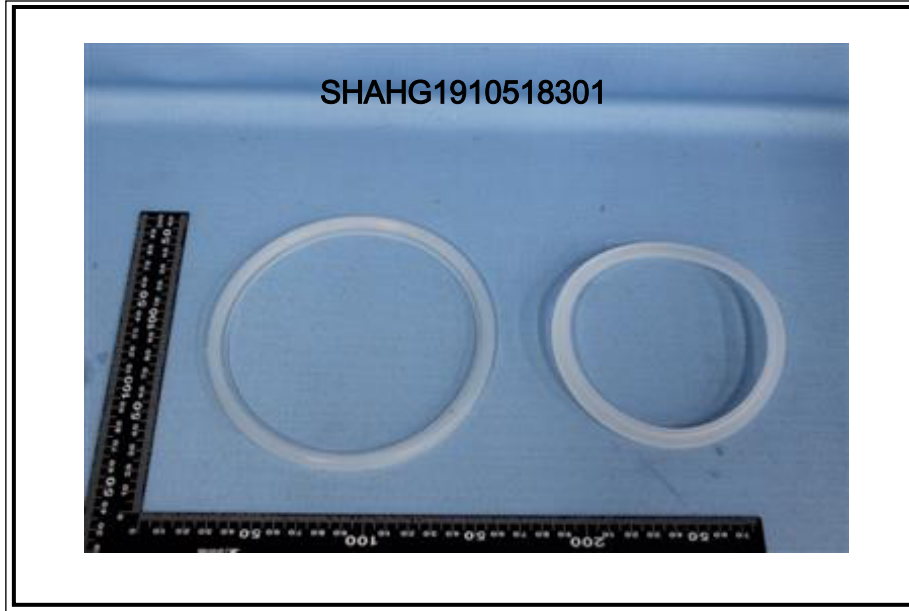


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