

Test Report

No. : CT/2019/50059

Date : 2019/05/13

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SONISON BABY PRODUCTS CO., LTD.
1F., NO. 64, LIULU 14TH ST., SHALU DIST., TAICHUNG CITY 433, TAIWAN (R.O.C.)



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

Sample Submitted By : SONISON BABY PRODUCTS CO., LTD.
Sample Description : MESSAGE PACIFIER
DOUBLE FLAT SHAPED MESSAGE PACIFIER (0m+),
DOUBLE FLAT SHAPED MESSAGE PACIFIER (6m+),
ROUND SHAPED MESSAGE PACIFIER (0M+),
ROUND SHAPED MESSAGE PACIFIER (6m+),
THUMB SHAPED MESSAGE PACIFIER (0M+),
THUMB SHAPED MESSAGE PACIFIER (6m+)
Style/Item No. : P6755/P6756/P6757/P6758/P6759/P6760
Sample Material : NO.1~5:SILICONE, NO.6:PP
Country of Origin : TAIWAN
Sample Receiving Date : 2019/05/02
Testing Period : 2019/05/02 TO 2019/05/13

=====
Test Requested : (1) As specified by client, the sample(s) was/were tested with reference to Commission Regulation (EU) No. 10/2011 with amendments and hence Article 3 of European Regulation No. 1935/2004. Please refer to result table for testing item(s).
(2) Please refer to result table for other testing item(s).

Test Result(s) : Please refer to following pages.

* Some test results in this report were quoted from those of the same colors/materials/parts in report CT/2019/50051 *


Singh Hsiao / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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Test Result(s)

PART NAME No.1 : TRANSPARENT SILICONE PACIFIER (PP6760) (CT/2019/50051 No.1)
 PART NAME No.2 : GREEN SILICONE (P6760)
 PART NAME No.3 : YELLOW SILICONE (P6758)
 PART NAME No.4 : BLUE SILICONE (P6757)
 PART NAME No.5 : ORANGE SILICONE (P6756)
 PART NAME No.6 : TRANSPARENT PLASTIC COVER (P6756)

(1)

PASS

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.4	No.5	No.6	
Overall migration (3% Acetic Acid) (3rd migration)	mg/dm ²	With reference to EN 1186 (2002). (70°C for 2 hr)	3.0	---	---	n.d.	10
Overall migration (50% Ethanol) (3rd migration)	mg/dm ²		3.0	---	---	n.d.	10
Specific Migration of Heavy Metals							(□ 1)
Barium(Ba) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-AES. (3% Acetic acid, 70°C, 2 hr)	0.25	---	---	n.d.	1
Cobalt(Co) (3rd migration)	mg/kg		0.01	---	---	n.d.	0.05
Copper(Cu) (3rd migration)	mg/kg		0.25	---	---	n.d.	5
Iron(Fe) (3rd migration)	mg/kg		0.25	---	---	n.d.	48
Lithium(Li) (3rd migration)	mg/kg		0.5	---	---	n.d.	0.6
Manganese(Mn) (3rd migration)	mg/kg		0.25	---	---	n.d.	0.6
Zinc(Zn) (3rd migration)	mg/kg		0.5	---	---	n.d.	5
Aluminum (Al) (3rd migration)	mg/kg		0.25	---	---	n.d.	1
Nickel (Ni) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-MS. (3% acetic acid, 70°C, 2 hr)	0.01	---	---	n.d.	0.02

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(1)

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.4	No.5	No.6	
Phthalates							
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	With reference to EN 14372 (2004). Analysis was performed by GC/MS.	0.003	---	---	n.d.	0.1 (□ 1)
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	---	---	n.d.	0.05 (□ 1)
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	%		0.003	---	---	n.d.	0.1 (□ 1)
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		0.01	---	---	n.d.	0.1 (□ 1)
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	---	---	n.d.	0.1 (□ 1)

(2)

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.1	No.2	No.3	
Overall migration (3% Acetic Acid) (3rd migration)	mg/dm ²	With reference to EN 1186 (2002). (70°C for 2 hr)	3.0	n.d. (※)	n.d.	---	-
Overall migration (50% Ethanol) (3rd migration)	mg/dm ²		3.0	n.d. (※)	---	n.d.	-
Phthalates							
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	With reference to EN 14372 (2004). Analysis was performed by GC/MS.	0.003	n.d. (※)	---	---	-
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d. (※)	---	---	-
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d. (※)	---	---	-
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		0.01	n.d. (※)	---	---	-
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	n.d. (※)	---	---	-

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(2)

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.1	No.2	No.3	
Specific Migration of Heavy Metals							
Barium(Ba) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-AES. (3% Acetic acid, 70°C, 2 hr)	0.25	n.d. (※)	---	---	-
Cobalt(Co) (3rd migration)	mg/kg		0.01	n.d. (※)	---	---	-
Copper(Cu) (3rd migration)	mg/kg		0.25	n.d. (※)	---	---	-
Iron(Fe) (3rd migration)	mg/kg		0.25	n.d. (※)	---	---	-
Lithium(Li) (3rd migration)	mg/kg		0.5	n.d. (※)	---	---	-
Manganese(Mn) (3rd migration)	mg/kg		0.25	n.d. (※)	---	---	-
Zinc(Zn) (3rd migration)	mg/kg		0.5	n.d. (※)	---	---	-
Aluminum (Al) (3rd migration)	mg/kg		0.25	n.d. (※)	---	---	-
Nickel (Ni) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-MS. (3% acetic acid, 70°C, 2 hr)	0.01	n.d. (※)	---	---	-

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.4	No.5	No.6	
Phthalates							
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	With reference to EN 14372 (2004). Analysis was performed by GC/MS.	0.003	n.d.	---	---	-
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.	---	---	-
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d.	---	---	-
DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		0.01	n.d.	---	---	-
DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	n.d.	---	---	-

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(2)

Test Item(s)	Unit	Method	MDL	Result			Limit
				No.4	No.5	No.6	
Specific Migration of Heavy Metals							
Barium(Ba) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-AES. (3% Acetic acid, 70°C, 2 hr)	0.25	---	n.d.	---	-
Cobalt(Co) (3rd migration)	mg/kg		0.01	---	n.d.	---	-
Copper(Cu) (3rd migration)	mg/kg		0.25	---	n.d.	---	-
Iron(Fe) (3rd migration)	mg/kg		0.25	---	n.d.	---	-
Lithium(Li) (3rd migration)	mg/kg		0.5	---	n.d.	---	-
Manganese(Mn) (3rd migration)	mg/kg		0.25	---	n.d.	---	-
Zinc(Zn) (3rd migration)	mg/kg		0.5	---	n.d.	---	-
Aluminum (Al) (3rd migration)	mg/kg		0.25	---	n.d.	---	-
Nickel (Ni) (3rd migration)	mg/kg	With reference to EN 13130-1 (2004). Analysis was performed by ICP-MS. (3% acetic acid, 70°C, 2 hr)	0.01	---	n.d.	---	-

Remark :

- (1) : Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Note :

1. mg/kg = ppm ; mg/dm² = milligram per square decimeter ; % =percentage of weight by weight ;
2. MDL = Method Detection Limit
3. n.d. = Not Detected = below MDL
4. "---" = Not Conducted
5. - = Not Regulated
6. °C = degree Celsius
7. Test condition & simulant were specified by client.
8. (※): Reference to CT/2019/50051.

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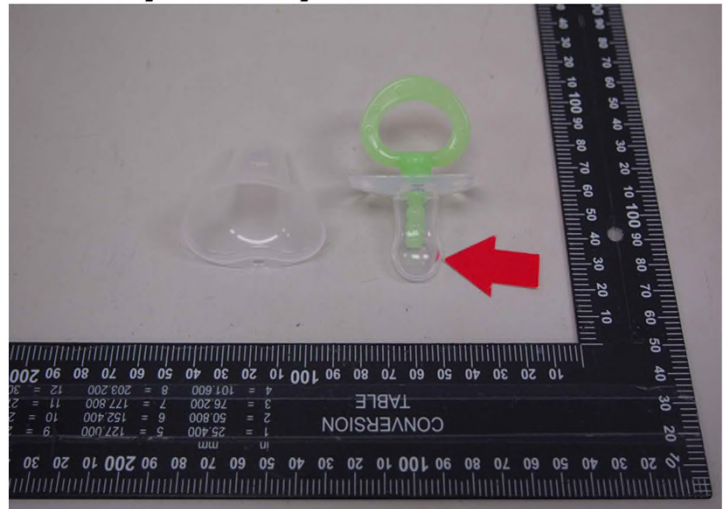


* The tested sample / part is marked by an arrow if it's shown on the photo. *

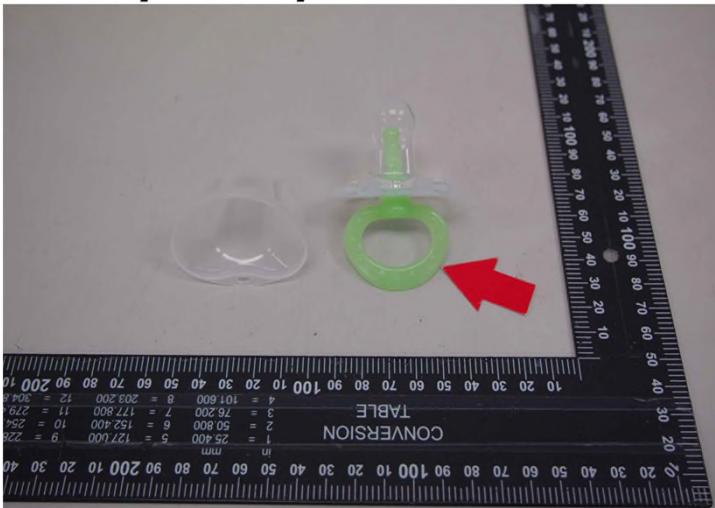
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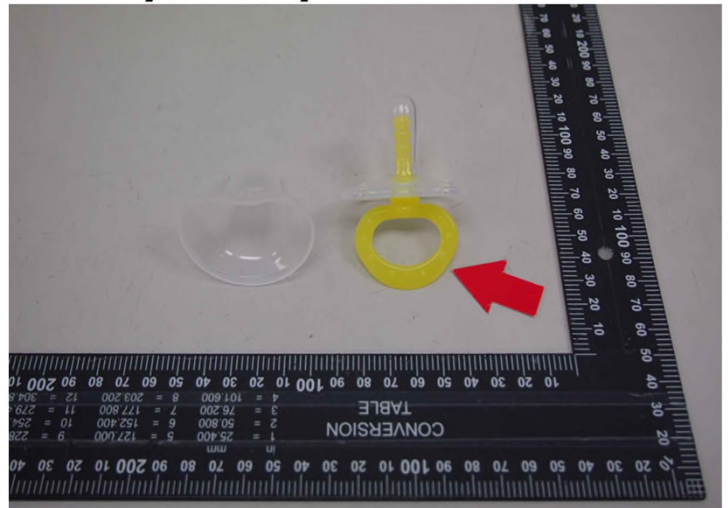
CT/2019/50059 NO.1



CT/2019/50059 NO.2



CT/2019/50059 NO.3



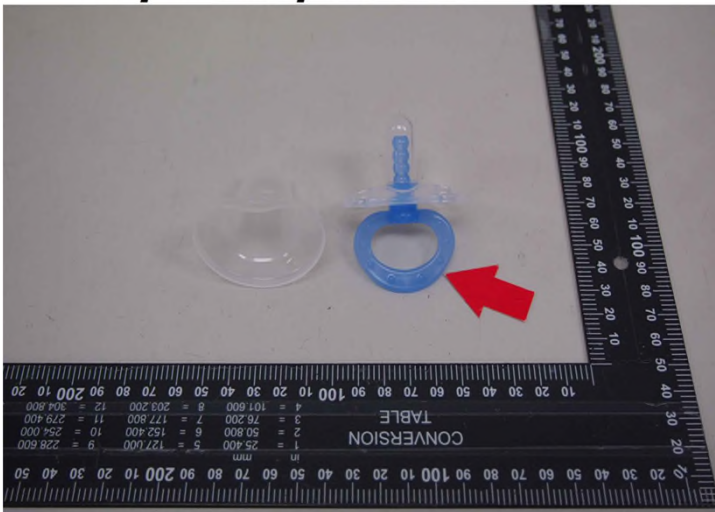
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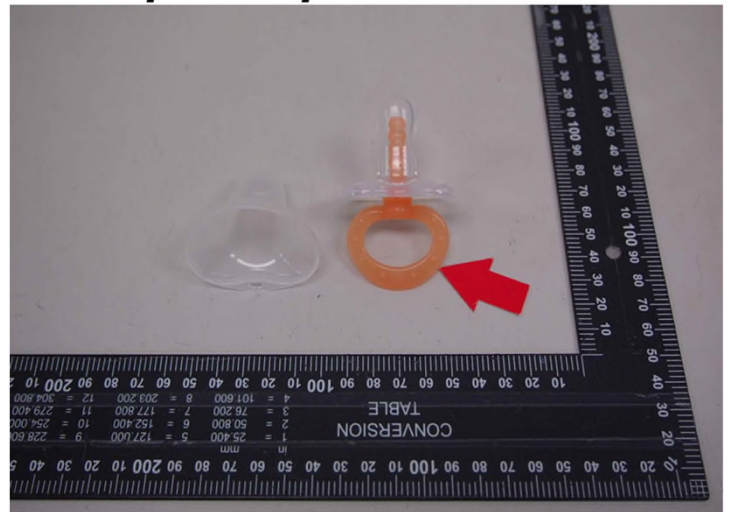
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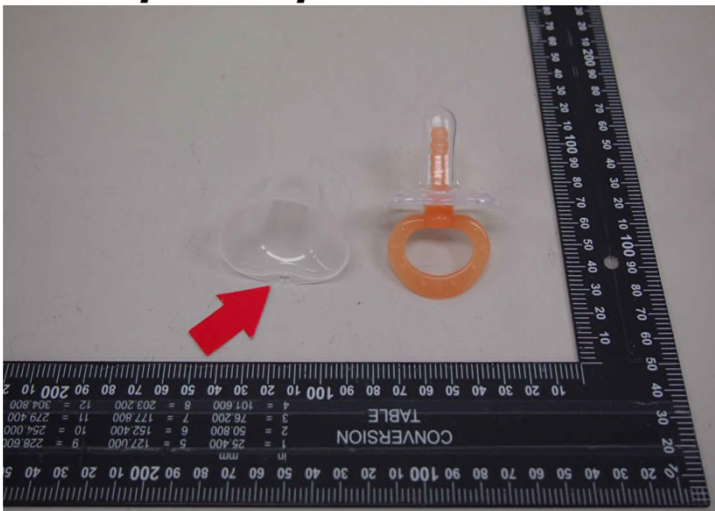
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CT/2019/50059 NO.5



CT/2019/50059 NO.6



** End of Report **

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