

## Test Report

Number: SHAH0169004401

Applicant: POLYCONCEPT GBS  
ROOM 301-303, ZHONGSHAN WANBO  
INTERNATIONAL CENTER, NO.666 WEST  
HUAHAI ROAD, CHANGNING DISTRICT,  
SHANGHAI, P.R.C  
Attn: Jasmine Gu/Sonia HE

Date: May 30, 2024

### Sample Description:

Item Name : Melbourne RCS Mug 1200ml  
Item No. : 10080101-WH,10080137-PL,10080155-NY,10080164-GR,10080182-GY,10080190-BK  
Vendor : #10583/#11054  
Goods Exported To : Europe  
Country Of Origin : China  
P.O. No. : PO#663139  
Date Sample Received : 14 May, 2024  
Testing Period : 14 May, 2024 To 28 May, 2024

### Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

### Conclusion:

| Tested sample                         | Standard                                                                                                                                            | Result |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Tested Components of Submitted Sample | European Commission Regulation (EU) No. 10/2011, Amendment No. 2020/1245 and other Amendments and Regulation (EC) No. 1935/2004 - Overall migration | Pass   |
|                                       | Resolution ResAP(2004)5 on silicones used for food contact applications on overall migration .                                                      | Pass   |
|                                       | Resolution ResAP(2004)4 on nitrosamines & nitrosatable substances in rubber                                                                         | Pass   |
|                                       | German Food, Commodities and Feeding Act (LFGB) and BFR recommendation XV requirement for Volatile Organic Matter content on silicone rubber        | Pass   |

To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Bill Zhang  
General Manager



**Test Report**

Number: SHAH0169004401

| <u>Tested sample</u>                  | <u>Standard</u>                                                                                                                                                                                                                                 | <u>Result</u> |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Tested components of submitted sample | German Food, Commodities and Feeding Act (LFGB) and BFR recommendation XV requirement on Extractable Substances in silicone rubber                                                                                                              | Pass          |
|                                       | European Commission Regulation No. 10/2011 annex I, amendment No. 2020/1245 and other amendments and Regulation 1935/2004 - Specific migration of Bisphenol A                                                                                   | Pass          |
|                                       | European Commission Regulation No. 10/2011 Annex II and Amendment No. 2016/1416 and No. 2017/752 and No. 2020/1245 and Regulation 1935/2004 on specific migration of heavy metal content                                                        | Pass          |
|                                       | European Commission Regulation (EU) No. 10/2011 Annex I, Amendment (EU) 2020/1245, Amendment (EU) 2023/1442 and other Amendments and Regulation (EC) No 1935/2004 on specific migration of Phthalate                                            | Pass          |
|                                       | European Commission Regulation (EU) No. 10/2011 Annex I and II and Amendment No. 2020/1245 and Regulation (EC) No 1935/2004 on specific migration of Primary Aromatic Amines                                                                    | Pass          |
|                                       | AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) content                                                                                                                                                                    | Pass          |
|                                       | Sensory Evaluation                                                                                                                                                                                                                              | Pass          |
|                                       | European Commission Regulation (EU) No. 10/2011 Annex I, Amendment (EU) 2023/1442 and Regulation (EC) No 1935/2004 on Phthalate content.                                                                                                        | Pass          |
|                                       | Applicant's requirement on Bisphenol-A content                                                                                                                                                                                                  | Pass          |
|                                       | Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the REACH Regulation (EC) No. 1907/2006 | Pass          |

To be continued

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**Test Report**

Number: SHAH0169004401

| <u>Tested sample</u>                   | <u>Standard</u>                                                                                                                                                                                                       | <u>Result</u> |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Tested components of submitted samples | Lead content requirement in Commission Regulation (EU) 2015/628 of 22 April 2015 Amending Annex XVII item 63 of the REACH Regulation (EC) No. 1907/2006                                                               | Pass          |
|                                        | Octamethylcyclotetrasiloxane (D4), Decamethylcyclopentasiloxane (D5) and Dodecamethylcyclohexasiloxane (D6) contents (SVHC substance)                                                                                 | Pass          |
|                                        | Tris (2-Chloroethyl) Phosphate (TCEP) content (SVHC substance)                                                                                                                                                        | Pass          |
|                                        | Phthalate contents (SVHC substance)                                                                                                                                                                                   | Pass          |
|                                        | Phthalates content requirement in Annex XVII Item 51&52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC) | Pass          |
|                                        | C.I. Basic Violet 3 content (SVHC substance)                                                                                                                                                                          | Pass          |
|                                        | Short-Chain Chlorinated Paraffins (C10~C13)(SCCPs) requirement in Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)                                                                                   | Pass          |
|                                        | European Directive 94/62/EC and Amendments 2004/12/EC & 2005/20/EC & 2013/2/EU on packaging and packaging waste for Toxic Elements Test                                                                               | Pass          |
|                                        | Dibutylbis(pentane-2,4-dionato-O,O')tin content (SVHC substance)                                                                                                                                                      | Pass          |
|                                        | 2-methylimidazole content (SVHC substance)                                                                                                                                                                            | Pass          |
|                                        | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) content (SVHC substance)                                                                  | Pass          |

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To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Bill Zhang  
General Manager



**Test Report**

Number: SHAH0169004401

Tests Conducted

1 Overall Migration Test for Plastic Food Contacting Materials/Articles

As per Commission Regulation (EU) No. 10/2011 and its amendments on plastic materials and articles intended to come into contact with food.

I. Test Condition:

| Test No. | Time and Temperature |
|----------|----------------------|
| OM3      | 2 hours at 70 °C     |

II. Test Results:

| Tested Component            | Result in mg/dm <sup>2</sup> |                 |                 |                  |                 |                 |
|-----------------------------|------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|
|                             | 3% (w/v) Acetic Acid         |                 |                 | 50%(v/v) Ethanol |                 |                 |
|                             | 1 <sup>st</sup>              | 2 <sup>nd</sup> | 3 <sup>rd</sup> | 1 <sup>st</sup>  | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)                         | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (9)                         | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (10)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (11)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (12)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (13)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (14)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (15)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (16)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (24)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (25)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| (26)                        | <3.0                         | <3.0            | <3.0            | <3.0             | <3.0            | <3.0            |
| Limit in mg/dm <sup>2</sup> | 10                           |                 |                 | 10               |                 |                 |

Requirement:

Result of 3<sup>rd</sup> migration < OML, and

Result of 1<sup>st</sup> migration ≥ 2<sup>nd</sup> migration ≥ 3<sup>rd</sup> migration after consideration of result uncertainty.

Ratio of food contact surface area to volume of component (8) used to establish the compliance of material or article = 5.8 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (9) (10) (11) (12) & (13) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of component (14) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL

Ratio of food contact surface area to volume of components (15) & (16) used to establish the compliance of material or article = 1.0 dm<sup>2</sup> : 1100 mL

Ratio of food contact surface area to volume of component (24) (25) & (26) used to establish the compliance of material or article = 2.1 dm<sup>2</sup> : 1100 mL

Remark: As per client's request, the above condition and food stimulant were used for the test.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

2 Overall Migration Test for Silicones Food Contacting Materials/Articles

With reference to EU JRC Guideline of testing conditions for kitchenware articles in contact with foodstuffs: plastics, metals, silicon & rubber, and (EU) No 10/2011 and its amendment.

I. Test Condition:

| <u>Test No.</u> | <u>Time and Temperature</u> |
|-----------------|-----------------------------|
| OM3             | 2 hours at 70 °C            |

II .Test Results:

| <u>Tested Component</u>     | <u>Result in mg/dm<sup>2</sup></u> |                       |                       |                          |                       |                       |
|-----------------------------|------------------------------------|-----------------------|-----------------------|--------------------------|-----------------------|-----------------------|
|                             | <u>3% (w/v) acetic acid</u>        |                       |                       | <u>50% (v/v) ethanol</u> |                       |                       |
|                             | <u>1<sup>st</sup></u>              | <u>2<sup>nd</sup></u> | <u>3<sup>rd</sup></u> | <u>1<sup>st</sup></u>    | <u>2<sup>nd</sup></u> | <u>3<sup>rd</sup></u> |
| (17)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| (18)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| (19)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| (20)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| (21)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| (22)                        | <3.0                               | <3.0                  | <3.0                  | <3.0                     | <3.0                  | <3.0                  |
| Limit in mg/dm <sup>2</sup> | 10                                 |                       |                       | 10                       |                       |                       |

Ratio of food contact surface area to volume of components (17) (18) (19) (20) (21) & (22) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

To be continued

**Test Report**

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Tests Conducted

3 Specific Migration of N-nitrosamines and N-nitrosatable Substances

With reference to EU JRC Guideline of testing conditions for kitchenware articles in contact with foodstuffs: plastics, metals, silicon & rubber, (EU) No 10/2011 and its amendments.

I. Test Condition:

| <u>Food Simulant</u> | <u>Time and Temperature</u>                                               |
|----------------------|---------------------------------------------------------------------------|
| 50% (v/v) ethanol    | Fill The Test Item At Boiling Temperature And Leave It Close For 24 Hours |

II. Test Result:

| Test Item                 | Result (mg/kg)  |                 |                 |                 |                 |                 | Detection Limit<br>(mg/kg) | Requirement<br>(mg/kg) |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------------|------------------------|
|                           | (17)            |                 |                 | (18)            |                 |                 |                            |                        |
|                           | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                            |                        |
| N-nitrosamines            | ND              | ND              | ND              | ND              | ND              | ND              | 0.01                       | ND                     |
| N-nitrosatable substances | ND              | ND              | ND              | ND              | ND              | ND              | 0.1                        | ND                     |

| Test Item                 | Result (mg/kg)  |                 |                 |                 |                 |                 | Detection Limit<br>(mg/kg) | Requirement<br>(mg/kg) |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------------|------------------------|
|                           | (19)            |                 |                 | (20)            |                 |                 |                            |                        |
|                           | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                            |                        |
| N-nitrosamines            | ND              | ND              | ND              | ND              | ND              | ND              | 0.01                       | ND                     |
| N-nitrosatable substances | ND              | ND              | ND              | ND              | ND              | ND              | 0.1                        | ND                     |

| Test Item                 | Result (mg/kg)  |                 |                 |                 |                 |                 | Detection Limit (mg/kg) | Requirement (mg/kg) |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------|---------------------|
|                           | (21)            |                 |                 | (22)            |                 |                 |                         |                     |
|                           | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                         |                     |
| N-nitrosamines            | ND              | ND              | ND              | ND              | ND              | ND              | 0.01                    | ND                  |
| N-nitrosatable substances | ND              | ND              | ND              | ND              | ND              | ND              | 0.1                     | ND                  |

Remark: ND = Not Detected (Less than detection limit)

The analytical results were adjusted by subtracting analytical correction factor.

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

To be continued

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Tests Conducted

4 Volatile Organic Matter of Silicone Rubber

As per BFR recommendation XV.

I. Test Condition:

Temperature: 200 °C Time: 4 hours

II. Test Result:

| Test Item                    | Result (% , w/w) |      |      | Reporting Limit<br>(% , w/w) | Requirement<br>(% , w/w) (Max.) |
|------------------------------|------------------|------|------|------------------------------|---------------------------------|
|                              | (17)             | (18) | (19) |                              |                                 |
| Volatile Organic Matter(VOM) | 0.1              | 0.2  | 0.2  | 0.1                          | 0.5                             |

| Test Item                    | Result (% , w/w) |      | Reporting Limit<br>(% , w/w) | Requirement<br>(% , w/w) (Max.) |
|------------------------------|------------------|------|------------------------------|---------------------------------|
|                              | (21)             | (22) |                              |                                 |
| Volatile Organic Matter(VOM) | 0.2              | ND   | 0.1                          | 0.5                             |

Remark: ND = Not detected (Less than the reporting limit)

The cut sample was conditioned at 100 °C for 1 hour to remove sorbed water before treatment at 200 °C for 4 hours.

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

5 Extractable Substances Of Silicone Rubber

As per LFGB, Plastic Recommendation XV.

| Food Simulant        | Result (%) |      |      |      |      |      | Limit (%) |
|----------------------|------------|------|------|------|------|------|-----------|
|                      | (17)       | (18) | (19) | (20) | (21) | (22) |           |
| 3% (w/v) acetic acid | <0.1       | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.5       |
| 10% (v/v) ethanol    | <0.1       | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.5       |
| Water                | <0.1       | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.5       |

Tested Component : See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

To be continued

**Test Report**

Number: SHAH0169004401

Tests Conducted

6 Specific Migration of Bisphenol A for Plastic Food Contacting Materials/Articles

As per Commission Regulation (EU) No. 10/2011 and its amendments (including amendment No. 2018/213 and amendment No. 2020/1245) on plastic materials and articles intended to come into contact with food. And followed by Liquid Chromatography-Mass Spectrometry (LC-MS) analysis.

I. Test Condition:

Food simulant: 3% (w/v) acetic acid

Fill The Test Item at boiling temperature and leave It close for 24 hours

II. Test Results of Bisphenol A (CAS No. 80-05-7):

| Tested Component | Result in mg/kg      |                 |                 |
|------------------|----------------------|-----------------|-----------------|
|                  | 3% (w/v) acetic acid |                 |                 |
|                  | 1 <sup>st</sup>      | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)              | ND                   | ND              | ND              |
| (9)              | ND                   | ND              | ND              |
| (10)             | ND                   | ND              | ND              |
| (11)             | ND                   | ND              | ND              |
| (12)             | ND                   | ND              | ND              |
| (13)             | ND                   | ND              | ND              |
| (14)             | ND                   | ND              | ND              |
| (15)             | ND                   | ND              | ND              |
| (16)             | ND                   | ND              | ND              |
| (24)             | ND                   | ND              | ND              |
| (25)             | ND                   | ND              | ND              |
| (26)             | ND                   | ND              | ND              |
| Limit in mg/kg   | 0.05                 |                 |                 |

Requirement:

Result of 3<sup>rd</sup> migration < SML, and

Result of 1<sup>st</sup> migration  $\geq$  2<sup>nd</sup> migration  $\geq$  3<sup>rd</sup> migration after consideration of result uncertainty.

Ratio of food contact surface area to volume of component (8) used to establish the compliance of material or article = 5.8 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (9) (10) (11) (12) (13) & (14) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (15) & (16) used to establish the compliance of material or article = 1.0 dm<sup>2</sup> : 1100 mL

Ratio of food contact surface area to volume of component (24) (25) & (26) used to establish the compliance of material or article = 2.1 dm<sup>2</sup> : 1100 mL

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To be continued



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Tests Conducted

Remark: Report limit=0.01mg/kg  
ND=Not detected (less than report limit)

As per client's request, the above condition and food stimulant were used for the test.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024  
Testing Period: May 14, 2024 To May 23, 2024

7 Specific Migration of Heavy Metal

As per Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition:

Food simulant: 3% (w/v) Acetic acid  
Fill The Test Item At Boiling Temperature And Leave It Close For 24 Hours

II. Test result:

| Test Components: (8) (9) (10) (11) (12) (13) (14) (15) (16) (24) (25) (26) |                           |                           |                           |                         |               |
|----------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------|
| Element                                                                    | Result (mg/kg)            |                           |                           | Detection limit (mg/kg) | Limit (mg/kg) |
|                                                                            | 1 <sup>st</sup> migration | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                         |               |
| Aluminum(Al)                                                               | ND                        | ND                        | ND                        | 0.1                     | 1             |
| Antimony(Sb)                                                               | ND                        | ND                        | ND                        | 0.01                    | 0.04          |
| Arsenic(As)                                                                | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Barium(Ba)                                                                 | ND                        | ND                        | ND                        | 0.1                     | 1             |
| Cadmium(Cd)                                                                | ND                        | ND                        | ND                        | 0.002                   | ND            |
| Chromium(Cr)                                                               | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Cobalt(Co)                                                                 | ND                        | ND                        | ND                        | 0.03                    | 0.05          |
| Copper(Cu)                                                                 | ND                        | ND                        | ND                        | 1                       | 5             |
| Iron(Fe)                                                                   | ND                        | ND                        | ND                        | 5                       | 48            |
| Lead(Pb)                                                                   | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Lithium(Li)                                                                | ND                        | ND                        | ND                        | 0.1                     | 0.6           |
| Manganese(Mn)                                                              | ND                        | ND                        | ND                        | 0.1                     | 0.6           |
| Mercury(Hg)                                                                | ND                        | ND                        | ND                        | 0.01                    | ND            |
| Nickel(Ni)                                                                 | ND                        | ND                        | ND                        | 0.01                    | 0.02          |
| Zinc(Zn)                                                                   | ND                        | ND                        | ND                        | 1                       | 5             |
| Europium(Eu)                                                               | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Gadolinium(Gd)                                                             | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Lanthanum(La)                                                              | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Terbium(Tb)                                                                | ND                        | ND                        | ND                        | 0.01                    | 0.05          |
| Sum of (Eu, Gd, La, Tb)                                                    | ND                        | ND                        | ND                        | 0.04                    | 0.05          |

To be continued

## Test Report

Number: SHAH0169004401

### Tests Conducted

#### Requirement:

Result of 3<sup>rd</sup> migration < SML, and

Result of 1<sup>st</sup> migration  $\geq$  2<sup>nd</sup> migration  $\geq$  3<sup>rd</sup> migration after consideration of result uncertainty.

Result of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> migration < SML when SML limit is Not Detected (ND)

Ratio of food contact surface area to volume of component (8) used to establish the compliance of material or article = 5.8 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (9) (10) (11) (12) (13) & (14) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (15) & (16) used to establish the compliance of material or article = 1.0 dm<sup>2</sup> : 1100 mL

Ratio of food contact surface area to volume of component (24) (25) & (26) used to establish the compliance of material or article = 2.1 dm<sup>2</sup> : 1100 mL

Remark: ND = Not detected (less than detection limit)

As per client's request, the above condition and food simulant were used for the test.

Tested component(s) : See component list in last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

8 Specific Migration of Phthalates Test for Plastic Food Contacting Materials/Articles

As per Commission Regulation (EU) No. 10/ 2011 of 14 January 2011 and its amendments on plastic materials and articles intended to come into contact with food.

I. Test Condition:

| <u>Food Simulant</u> | <u>Time and Temperature</u>                                               |
|----------------------|---------------------------------------------------------------------------|
| 50% (v/v) Ethanol    | Fill The Test Item At Boiling Temperature And Leave It Close For 24 Hours |

II. Test Results:

Butyl Benzy Phthalate (BBP)(CAS No.85-68-7)

| <u>Tested Component</u> | <u>Result in mg/kg</u> |                 |                 |
|-------------------------|------------------------|-----------------|-----------------|
|                         | 50% (v/v) Ethanol      |                 |                 |
|                         | 1 <sup>st</sup>        | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)                     | <1                     | <1              | <1              |
| (9)                     | <1                     | <1              | <1              |
| (10)                    | <1                     | <1              | <1              |
| (11)                    | <1                     | <1              | <1              |
| (12)                    | <1                     | <1              | <1              |
| (13)                    | <1                     | <1              | <1              |
| (14)                    | <1                     | <1              | <1              |
| (15)                    | <1                     | <1              | <1              |
| (16)                    | <1                     | <1              | <1              |
| (24)                    | <1                     | <1              | <1              |
| (25)                    | <1                     | <1              | <1              |
| (26)                    | <1                     | <1              | <1              |
| Limit in mg/kg          | 6                      |                 |                 |

Bis (2-Ethylhexyl) Phthalate (DEHP)(CAS No.117-81-7)

| <u>Tested Component</u> | <u>Result in mg/kg</u> |                 |                 |
|-------------------------|------------------------|-----------------|-----------------|
|                         | 50% (v/v) Ethanol      |                 |                 |
|                         | 1 <sup>st</sup>        | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)                     | <0.5                   | <0.5            | <0.5            |
| (9)                     | <0.5                   | <0.5            | <0.5            |
| (10)                    | <0.5                   | <0.5            | <0.5            |
| (11)                    | <0.5                   | <0.5            | <0.5            |
| (12)                    | <0.5                   | <0.5            | <0.5            |
| (13)                    | <0.5                   | <0.5            | <0.5            |
| (14)                    | <0.5                   | <0.5            | <0.5            |
| (15)                    | <0.5                   | <0.5            | <0.5            |
| (16)                    | <0.5                   | <0.5            | <0.5            |
| (24)                    | <0.5                   | <0.5            | <0.5            |
| (25)                    | <0.5                   | <0.5            | <0.5            |
| (26)                    | <0.5                   | <0.5            | <0.5            |
| Limit in mg/kg          | 0.6                    |                 |                 |

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

**Dibutyl Phthalate (DBP) (CAS No.87-74-2)**

| Tested Component | Result in mg/kg   |                 |                 |
|------------------|-------------------|-----------------|-----------------|
|                  | 50% (v/v) Ethanol |                 |                 |
|                  | 1 <sup>st</sup>   | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)              | <0.1              | <0.1            | <0.1            |
| (9)              | <0.1              | <0.1            | <0.1            |
| (10)             | <0.1              | <0.1            | <0.1            |
| (11)             | <0.1              | <0.1            | <0.1            |
| (12)             | <0.1              | <0.1            | <0.1            |
| (13)             | <0.1              | <0.1            | <0.1            |
| (14)             | <0.1              | <0.1            | <0.1            |
| (15)             | <0.1              | <0.1            | <0.1            |
| (16)             | <0.1              | <0.1            | <0.1            |
| (24)             | <0.1              | <0.1            | <0.1            |
| (25)             | <0.1              | <0.1            | <0.1            |
| (26)             | <0.1              | <0.1            | <0.1            |
| Limit in mg/kg   | 0.12              |                 |                 |

**Di-(Iso-Nonyl) Phthalate (DINP)(CAS No. 84-74-2) and Di-(Iso-Decyl) Phthalate (DIDP)(CAS No.26761-40-0)**

| Tested Component | Result in mg/kg   |                 |                 |
|------------------|-------------------|-----------------|-----------------|
|                  | 50% (v/v) Ethanol |                 |                 |
|                  | 1 <sup>st</sup>   | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)              | <1                | <1              | <1              |
| (9)              | <1                | <1              | <1              |
| (10)             | <1                | <1              | <1              |
| (11)             | <1                | <1              | <1              |
| (12)             | <1                | <1              | <1              |
| (13)             | <1                | <1              | <1              |
| (14)             | <1                | <1              | <1              |
| (15)             | <1                | <1              | <1              |
| (16)             | <1                | <1              | <1              |
| (24)             | <1                | <1              | <1              |
| (25)             | <1                | <1              | <1              |
| (26)             | <1                | <1              | <1              |
| Limit in mg/kg   | 1.8               |                 |                 |

To be continued

**Test Report**

Number: SHAH0169004401

Tests Conducted

Diallyl Phthalate (DAP)(CAS No. 131-17-9)

| Tested Component | Result in mg/kg   |                 |                 |
|------------------|-------------------|-----------------|-----------------|
|                  | 50% (v/v) Ethanol |                 |                 |
|                  | 1 <sup>st</sup>   | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)              | ND                | ND              | ND              |
| (9)              | ND                | ND              | ND              |
| (10)             | ND                | ND              | ND              |
| (11)             | ND                | ND              | ND              |
| (12)             | ND                | ND              | ND              |
| (13)             | ND                | ND              | ND              |
| (14)             | ND                | ND              | ND              |
| (15)             | ND                | ND              | ND              |
| (16)             | ND                | ND              | ND              |
| (24)             | ND                | ND              | ND              |
| (25)             | ND                | ND              | ND              |
| (26)             | ND                | ND              | ND              |
| Limit in mg/kg   | ND                |                 |                 |

Sum of DBP, DIBP, BBP and DEHP (Expressed as DEHP)

| Tested Component | Result in mg/kg   |                 |                 |
|------------------|-------------------|-----------------|-----------------|
|                  | 50% (v/v) Ethanol |                 |                 |
|                  | 1 <sup>st</sup>   | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| (8)              | <0.5              | <0.5            | <0.5            |
| (9)              | <0.5              | <0.5            | <0.5            |
| (10)             | <0.5              | <0.5            | <0.5            |
| (11)             | <0.5              | <0.5            | <0.5            |
| (12)             | <0.5              | <0.5            | <0.5            |
| (13)             | <0.5              | <0.5            | <0.5            |
| (14)             | <0.5              | <0.5            | <0.5            |
| (15)             | <0.5              | <0.5            | <0.5            |
| (16)             | <0.5              | <0.5            | <0.5            |
| (24)             | <0.5              | <0.5            | <0.5            |
| (25)             | <0.5              | <0.5            | <0.5            |
| (26)             | <0.5              | <0.5            | <0.5            |
| Limit in mg/kg   | 0.6               |                 |                 |

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To be continued



**Test Report**

Number: SHAH0169004401

## Tests Conducted

Requirement:Result of 3<sup>rd</sup> migration < SML, andResult of 1<sup>st</sup> migration  $\geq$  2<sup>nd</sup> migration  $\geq$  3<sup>rd</sup> migration after consideration of result uncertainty.Ratio of food contact surface area to volume of component (8) used to establish the compliance of material or article = 5.8 dm<sup>2</sup> : 1100 mL.Ratio of food contact surface area to volume of components (9) (10) (11) (12) (13) & (14) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.Ratio of food contact surface area to volume of components (15) & (16) used to establish the compliance of material or article = 1.0 dm<sup>2</sup> : 1100 mLRatio of food contact surface area to volume of component (24) (25) & (26) used to establish the compliance of material or article = 2.1 dm<sup>2</sup> : 1100 mL

Remark: ND = Not Detected

Detection Limit of DAP=0.01mg/kg

For sum of DBP, DIBP, BBP and DEHP (Expressed as DEHP), below equation was used:

Sum = DBP x 5+ DIBP x 4 + BBP x 0.1 + DEHP x 1

As per client's request, the above condition and food simulant were used for the test.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

9 Specific Migration of Primary Aromatic Amines

With reference to Commission Regulation (EU) No. 10/2011 and its amendments, and JRC Technical Guidelines EUR 24815 EN 2011.

- I. Test condition:  
Food simulant: 3% (w/v) Acetic acid  
Fill the test item at boiling temperature and leave it close for 24 hours

II. Test Result:

| Test Components: (8)(9)(10)(11)(12)(13)(14)(15)(16)(17)(18)(19)(20)(21)(22)(24)(25)(26) |                                                |                           |                           |                           |                         |               |      |
|-----------------------------------------------------------------------------------------|------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------|------|
| Test Item                                                                               | CAS No.                                        | Result (mg/kg)            |                           |                           | Detection Limit (mg/kg) | Limit (mg/kg) |      |
|                                                                                         |                                                | 1 <sup>st</sup> migration | 2 <sup>nd</sup> migration | 3 <sup>rd</sup> migration |                         |               |      |
| 1                                                                                       | 4-Aminodiphenyl                                | 92-67-1                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 2                                                                                       | Benzidine                                      | 92-87-5                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 3                                                                                       | 4-Chloro-o-Toluidine                           | 95-69-2                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 4                                                                                       | 2-Naphthylamine                                | 91-59-8                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 5                                                                                       | o-Aminoazotoluene                              | 97-56-3                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 6                                                                                       | 2-Amino-4-Nitrotoluene                         | 99-55-8                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 7                                                                                       | p-Chloroaniline                                | 106-47-8                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 8                                                                                       | 2,4-Diaminoanisole                             | 615-05-4                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 9                                                                                       | 4,4'-Diaminodiphenylmethane                    | 101-77-9                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 10                                                                                      | 3,3'-Dichlorobenzidine                         | 91-94-1                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 11                                                                                      | 3,3'-Dimethoxybenzidine                        | 119-90-4                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 12                                                                                      | 3,3'-Dimethylbenzidine                         | 119-93-7                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 13                                                                                      | 3,3'-Dimethyl-4,4'-diaminodiphenylmethane      | 838-88-0                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 14                                                                                      | p-Cresidine                                    | 120-71-8                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 15                                                                                      | 4,4'-Methylene-Bis(2-Chloroaniline)            | 101-14-4                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 16                                                                                      | 4,4'-Oxydianiline                              | 101-80-4                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 17                                                                                      | 4,4'-Thiodianiline                             | 139-65-1                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 18                                                                                      | o-Toluidine                                    | 95-53-4                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 19                                                                                      | 2,4-Toluylenediamine                           | 95-80-7                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 20                                                                                      | 2,4,5-Trimethylaniline                         | 137-17-7                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 21                                                                                      | o-Anisidine                                    | 90-04-0                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 22                                                                                      | 4-Aminoazobenzene                              | 60-09-3                   | ND                        | ND                        | ND                      | 0.002         | ND   |
| 23                                                                                      | m-Phenylenediamine                             | 108-45-2                  | ND                        | ND                        | ND                      | 0.002         | ND   |
| 24                                                                                      | Benzoguanamin                                  | 91-76-9                   | ND                        | ND                        | ND                      | 0.05          | 5    |
| 25                                                                                      | 4,4'-Methylenebis(3-chloro-2,6-diethylaniline) | 106246-33-7               | ND                        | ND                        | ND                      | 0.01          | 0.05 |
| 26                                                                                      | Total of other primary aromatic amine          | -                         | ND                        | ND                        | ND                      | 0.01          | 0.01 |

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

Requirement:

Result of 3<sup>rd</sup> migration < SML, and

Result of 1<sup>st</sup> migration  $\geq$  2<sup>nd</sup> migration  $\geq$  3<sup>rd</sup> migration after consideration of result uncertainty.

Result of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> migration < SML when SML limit is Not Detected (ND)

Ratio of food contact surface area to volume of component (8) used to establish the compliance of material or article = 5.8 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (9) (10) (11) (12) (13) & (14) used to establish the compliance of material or article = 0.1 dm<sup>2</sup> : 1100 mL.

Ratio of food contact surface area to volume of components (15) & (16) used to establish the compliance of material or article = 1.0 dm<sup>2</sup> : 1100 mL

Ratio of food contact surface area to volume of component (24) (25) & (26) used to establish the compliance of material or article = 2.1 dm<sup>2</sup> : 1100 mL

Remark: ND = Not detected (less than detection limit)

Other primary aromatic amines are p-Phenyldiamine, Aniline, 2,4-Xylidine, 2,6-Xylidine, 3-Methoxyaniline, 2,6- Toluene-diamine, 1,5-Diaminonaphthalene, 4-Ethoxyaniline, 3-Amino-4-methoxybenzanilide, 3-Amino-4-methylbenzamide, 2-Amino-5-methylbenzoic acid

Tested component(s) : See component list in last section of the report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

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To be continued

**Test Report**

Number: SHAH0169004401

Tests Conducted

10 Polycyclic Aromatic Hydrocarbons (PAHs) Content

As Per AfPS GS 2019:01 PAK, by solvent extraction and determined by Gas Chromatography – Mass Spectrometer (GC/MS).

(I) Test Results:

| Test Item                                  | CAS No.  | Result (in mg/kg) |     |      |      |      |      |
|--------------------------------------------|----------|-------------------|-----|------|------|------|------|
|                                            |          | (8)               | (9) | (10) | (11) | (12) | (13) |
| 1.Phenanthrene                             | 85-01-8  | ND                | ND  | ND   | ND   | ND   | ND   |
| 2.Anthracene                               | 120-12-7 | ND                | ND  | ND   | ND   | ND   | ND   |
| 3.Fluoranthene                             | 206-44-0 | ND                | ND  | ND   | ND   | ND   | ND   |
| 4.Pyrene                                   | 129-00-0 | ND                | ND  | ND   | ND   | ND   | ND   |
| <b>Sum (4 PAHs):</b>                       | --       | ND                | ND  | ND   | ND   | ND   | ND   |
| 5.Naphthalene                              | 91-20-3  | ND                | ND  | ND   | ND   | ND   | ND   |
| 6.Benzo(a)Anthracene                       | 56-55-3  | ND                | ND  | ND   | ND   | ND   | ND   |
| 7.Chrysene                                 | 218-01-9 | ND                | ND  | ND   | ND   | ND   | ND   |
| 8.Indeno(1,2,3-cd)Pyrene                   | 193-39-5 | ND                | ND  | ND   | ND   | ND   | ND   |
| 9.Benzo(b)Fluoranthene                     | 205-99-2 | ND                | ND  | ND   | ND   | ND   | ND   |
| 10.Benzo(k)Fluoranthene                    | 207-08-9 | ND                | ND  | ND   | ND   | ND   | ND   |
| 11.Benzo(a)Pyrene                          | 50-32-8  | ND                | ND  | ND   | ND   | ND   | ND   |
| 12.Dibenzo(a,h)Anthracene                  | 53-70-3  | ND                | ND  | ND   | ND   | ND   | ND   |
| 13.Benzo(g,h,i)Perylene                    | 191-24-2 | ND                | ND  | ND   | ND   | ND   | ND   |
| 14.Benzo(e)Pyrene                          | 192-97-2 | ND                | ND  | ND   | ND   | ND   | ND   |
| 15. Benzo(j)Fluoranthene                   | 205-82-3 | ND                | ND  | ND   | ND   | ND   | ND   |
| <b>Sum (15 PAHs):</b>                      | --       | ND                | ND  | ND   | ND   | ND   | ND   |
| <b>Classification of Samples: Category</b> |          | 1                 | 1   | 1    | 1    | 1    | 1    |

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

| Test Item                                  | CAS No.  | Result (in mg/kg) |      |      |      |      |      |
|--------------------------------------------|----------|-------------------|------|------|------|------|------|
|                                            |          | (14)              | (15) | (16) | (24) | (25) | (26) |
| 1. Phenanthrene                            | 85-01-8  | ND                | ND   | ND   | ND   | ND   | ND   |
| 2. Anthracene                              | 120-12-7 | ND                | ND   | ND   | ND   | ND   | ND   |
| 3. Fluoranthene                            | 206-44-0 | ND                | ND   | ND   | ND   | ND   | ND   |
| 4. Pyrene                                  | 129-00-0 | ND                | ND   | ND   | ND   | ND   | ND   |
| <b>Sum (4 PAHs):</b>                       | --       | ND                | ND   | ND   | ND   | ND   | ND   |
| 5. Naphthalene                             | 91-20-3  | ND                | ND   | ND   | ND   | ND   | ND   |
| 6. Benzo(a)Anthracene                      | 56-55-3  | ND                | ND   | ND   | ND   | ND   | ND   |
| 7. Chrysene                                | 218-01-9 | ND                | ND   | ND   | ND   | ND   | ND   |
| 8. Indeno(1,2,3-cd)Pyrene                  | 193-39-5 | ND                | ND   | ND   | ND   | ND   | ND   |
| 9. Benzo(b)Fluoranthene                    | 205-99-2 | ND                | ND   | ND   | ND   | ND   | ND   |
| 10. Benzo(k)Fluoranthene                   | 207-08-9 | ND                | ND   | ND   | ND   | ND   | ND   |
| 11. Benzo(a)Pyrene                         | 50-32-8  | ND                | ND   | ND   | ND   | ND   | ND   |
| 12. Dibenzo(a,h)Anthracene                 | 53-70-3  | ND                | ND   | ND   | ND   | ND   | ND   |
| 13. Benzo(g,h,i)Perylene                   | 191-24-2 | ND                | ND   | ND   | ND   | ND   | ND   |
| 14. Benzo(e)Pyrene                         | 192-97-2 | ND                | ND   | ND   | ND   | ND   | ND   |
| 15. Benzo(j)Fluoranthene                   | 205-82-3 | ND                | ND   | ND   | ND   | ND   | ND   |
| <b>Sum (15 PAHs):</b>                      | --       | ND                | ND   | ND   | ND   | ND   | ND   |
| <b>Classification of Samples: Category</b> |          | 1                 | 1    | 1    | 1    | 1    | 1    |

ND= Not detected (Less than reporting limit)

Reporting limit = 0.2 mg/kg

# = Category was provided by the applicant.

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

(II) Limits for PAHs in Products:

| Parameter              | Category 1                                                                                                                                                                                                                                     | Category 2                                                                                                                                                                                                                |       | Category 3                                                                                                                                                                               |     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| --                     | Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use<br>- in toys according to Directive 2009/48/EC or<br>- for the use by children up to 3 years of age | Materials that are not covered by Category 1, with long-term skin contact (longer than 30s) or repeated short-term skin contact if used as intended or foreseeable<br>2a. used by children<br>2b. other consumer products |       | Materials that are not covered by Category 1 or 2, with short-term skin contact (up to 30 s) when used as intended or foreseeable<br>3a. used by children<br>3b. other consumer products |     |
|                        |                                                                                                                                                                                                                                                | 2a                                                                                                                                                                                                                        | 2b    | 3a                                                                                                                                                                                       | 3b  |
| Phenanthrene           | --                                                                                                                                                                                                                                             | --                                                                                                                                                                                                                        | --    | --                                                                                                                                                                                       | --  |
| Anthracene             | --                                                                                                                                                                                                                                             | --                                                                                                                                                                                                                        | --    | --                                                                                                                                                                                       | --  |
| Fluoranthene           | --                                                                                                                                                                                                                                             | --                                                                                                                                                                                                                        | --    | --                                                                                                                                                                                       | --  |
| Pyrene                 | --                                                                                                                                                                                                                                             | --                                                                                                                                                                                                                        | --    | --                                                                                                                                                                                       | --  |
| <b>Sum (4 PAHs):</b>   | <1                                                                                                                                                                                                                                             | <5                                                                                                                                                                                                                        | <10   | <20                                                                                                                                                                                      | <50 |
| Naphthalene            | <1                                                                                                                                                                                                                                             | <2                                                                                                                                                                                                                        | <2    | <10                                                                                                                                                                                      | <10 |
| Benzo(a)Anthracene     | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Chrysene               | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Indeno(1,2,3-cd)Pyrene | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(b)Fluoranthene   | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(k)Fluoranthene   | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(a)Pyrene         | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Dibenzo(a,h)Anthracene | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(g,h,i)Perylene   | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(e)Pyrene         | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | <0.5  | <0.5                                                                                                                                                                                     | <1  |
| Benzo(j)Fluoranthene   | <0.2                                                                                                                                                                                                                                           | <0.2                                                                                                                                                                                                                      | < 0.5 | <0.5                                                                                                                                                                                     | <1  |
| <b>Sum (15 PAHs):</b>  | <1                                                                                                                                                                                                                                             | <5                                                                                                                                                                                                                        | <10   | <20                                                                                                                                                                                      | <50 |

Tested Component(s): See component list in the last section of this report

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

11 Sensory Evaluation

With reference to §64 LFGB 100.90-6.

Test procedure:

Sample was thoroughly rinsed with distilled water and then filled with distilled water to capacity. Fill The Test Item At Boiling Temperature And Leave It Close For 24 Hours. Off-odor and off-taste was evaluated with 6 panelists using control sample of distilled water.

|            | <u>Result</u>        |                      |                      | <u>Limit</u>      |
|------------|----------------------|----------------------|----------------------|-------------------|
|            | (29)                 | (30)                 | (31)                 |                   |
| Appearance | Clear,<br>Colourless | Clear,<br>Colourless | Clear,<br>Colourless | Clear, Colourless |
| Odor       | 0                    | 0                    | 0                    | 2.5               |
| Taste      | 0                    | 0                    | 0                    | 2.5               |

|            | <u>Result</u>        |                      |                      | <u>Limit</u>      |
|------------|----------------------|----------------------|----------------------|-------------------|
|            | (32)                 | (33)                 | (34)                 |                   |
| Appearance | Clear,<br>Colourless | Clear,<br>Colourless | Clear,<br>Colourless | Clear, Colourless |
| Odor       | 0                    | 0                    | 0                    | 2.5               |
| Taste      | 0                    | 0                    | 0                    | 2.5               |

Assessment:

Intensity scale:

- 0 = No perceptible odour / taste
- 1 = Odour / taste just perceptible (but still difficult to define)
- 2 = Slight odour / taste
- 3 = Distinct odour / taste
- 4 = Strong odour / taste

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 23, 2024

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

**12 Phthalate Content in Food Contact Plastic Article**

By solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

| Test Item                       | Result (% w/w) |            | Detection Limit<br>(% w/w) | Limit (% w/w)<br>(Max.) |
|---------------------------------|----------------|------------|----------------------------|-------------------------|
|                                 | (8+9+10)       | (11+12+13) |                            |                         |
| Dibutyl Phthalate (DBP)         | ND             | ND         | 0.01                       | 0.05                    |
| Diethyl Hexyl Phthalate (DEHP)  | ND             | ND         | 0.01                       | 0.1                     |
| Benzyl Butyl Phthalate (BBP)    | ND             | ND         | 0.01                       | 0.1                     |
| Di-(iso-nonyl) Phthalate (DINP) | ND             | ND         | 0.01                       | 0.1                     |
| Di-(iso-decyl) Phthalate (DIDP) | ND             | ND         | 0.01                       | 0.1                     |

| Test Item                       | Result (% w/w) |            | Detection Limit<br>(% w/w) | Limit (% w/w)<br>(Max.) |
|---------------------------------|----------------|------------|----------------------------|-------------------------|
|                                 | (14+15+16)     | (24+25+26) |                            |                         |
| Dibutyl Phthalate (DBP)         | ND             | ND         | 0.01                       | 0.05                    |
| Diethyl Hexyl Phthalate (DEHP)  | 0.01           | ND         | 0.01                       | 0.1                     |
| Benzyl Butyl Phthalate (BBP)    | ND             | ND         | 0.01                       | 0.1                     |
| Di-(iso-nonyl) Phthalate (DINP) | ND             | ND         | 0.01                       | 0.1                     |
| Di-(iso-decyl) Phthalate (DIDP) | ND             | ND         | 0.01                       | 0.1                     |

Remark: ND = Not Detected (Less than detection limit)

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

**13 Bisphenol-A Content**

By solvent extraction and followed by High Performance Liquid Chromatography- Mass Spectrometry (HPLC-MS)/Liquid Chromatography- Tandem Mass Spectrometry (LC-MS/MS) analysis.

| Test Item   | Result (mg/kg) |     |      |      | Detection Limit<br>(mg/kg) | Applicant's<br>Requirement (mg/kg) |
|-------------|----------------|-----|------|------|----------------------------|------------------------------------|
|             | (8)            | (9) | (10) | (11) |                            |                                    |
| Bisphenol-A | ND             | ND  | ND   | ND   | 0.1                        | 0.1                                |

| Test Item   | Result (mg/kg) |      |      |      | Detection Limit<br>(mg/kg) | Applicant's<br>Requirement (mg/kg) |
|-------------|----------------|------|------|------|----------------------------|------------------------------------|
|             | (12)           | (13) | (14) | (15) |                            |                                    |
| Bisphenol-A | ND             | ND   | ND   | ND   | 0.1                        | 0.1                                |

| Test Item   | Result (mg/kg) |      |      |      | Detection Limit<br>(mg/kg) | Applicant's<br>Requirement (mg/kg) |
|-------------|----------------|------|------|------|----------------------------|------------------------------------|
|             | (16)           | (24) | (25) | (26) |                            |                                    |
| Bisphenol-A | ND             | ND   | ND   | ND   | 0.1                        | 0.1                                |

Remark: ND = Not Detected (Less than detection limit)

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

Tested Components: See component list in the last section of this report.

Testing Summary:

Extraction solvent: Tetrahydrofuran  
Ultrasonic bath extraction temperature: 60 °C ± 2 °C  
Extraction time: 60 minutes

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 22, 2024

14 Cadmium (Cd) Content

With reference to methods EN 1122 (Method B)/ IEC 62321:2008/ ISO 11885:2007, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

| <u>Tested Component</u> | <u>Result in %</u> |
|-------------------------|--------------------|
| (1+2+3)                 | ND                 |
| (4+5+6)                 | ND                 |
| (8+9+10)                | ND                 |
| (11+12+13)              | ND                 |
| (14+15+16)              | ND                 |
| (17+18+19)              | ND                 |
| (20+21+22)              | ND                 |
| (23)                    | ND                 |
| (24+25+26)              | ND                 |

| Requirement:                                |                  |
|---------------------------------------------|------------------|
| <u>Category</u>                             | <u>Limit (%)</u> |
| Painted article                             | 0.1              |
| Plastic                                     | 0.01             |
| Metal parts of jewellery & hair accessories | 0.01             |

Remark: ND = Not Detected (<0.0005%)

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

15 Lead (Pb) Content

With reference to method IEC 62321-5:2013, microwave digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

| <u>Tested Component</u> | <u>Result (%)</u> | <u>Limit (%)</u> |
|-------------------------|-------------------|------------------|
| (1+2+3)                 | ND                | 0.05             |
| (4+5+6)                 | ND                | 0.05             |
| (7)                     | ND                | 0.05             |
| (8+9+10)                | ND                | 0.05             |
| (11+12+13)              | ND                | 0.05             |
| (14+15+16)              | ND                | 0.05             |
| (17+18+19)              | ND                | 0.05             |
| (20+21+22)              | ND                | 0.05             |
| (23)                    | ND                | 0.05             |
| (24+25+26)              | ND                | 0.05             |

Remark: ND = Not Detected (Less than detection limit)  
Detection Limit = 0.001%

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024  
Testing Period: May 14, 2024 To May 17, 2024

16 Octamethylcyclotetrasiloxane (D4),Decamethylcyclopentasiloxane(D5) and Dodecamethylcyclohexasiloxane (D6) Content

By solvent extraction and followed by Gas Chromatography – Mass Spectrometry analysis.

| <u>Test Item</u>                   | <u>CAS No.</u> | <u>Result (%)</u>   |
|------------------------------------|----------------|---------------------|
|                                    |                | (17+18+19+20+21+22) |
| Octamethylcyclotetrasiloxane (D4)  | 556-67-2       | ND                  |
| Decamethylcyclopentasiloxane (D5)  | 541-02-6       | ND                  |
| Dodecamethylcyclohexasiloxane (D6) | 540-97-6       | ND                  |

Remark: Reporting limit=0.010%  
SVHC = Substance of very high concern  
ND = Not detected (the result is less than the reporting limit)

Notes:

1. Substances of very high concern (SVHC) are classified as:

- Carcinogenicity category 1A or 1B;
- Germ cell mutagenicity category 1A or 1B;
- Reproductive toxicity category 1A or 1B, adverse effects on sexual function and fertility or on development;
- Persistent, bioaccumulative and toxic (PBT)
- Very persistent and very bioaccumulative (vPvB)
- Other substances for which there is scientific evidence of probable serious effects to human health or the environment which give rise to an equivalent level of concern, such as endocrine disruptors

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- (a) Identity and contact details of the producer or importer;
- (b) Registration number(s), if available;
- (c) Identity of the substance;
- (d) Classification of the substance(s);
- (e) Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- (f) Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

**Waste Framework Directive (WFD) Requirement:**

As per Article 9(1)(i) of Directive 2008/98/EC on waste (WFD, Waste Framework Directive) as amended, Member States shall take measures to ensure that any supplier of an article as defined in point 33 of Article 3 of Regulation (EC) No 1907/2006 (REACH) provides the information pursuant to Article 33(1) of Regulation (EC) No 1907/2006 (REACH) to the European Chemicals Agency (ECHA) as from 5 January 2021. Any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) on the EU market is required to submit a SCIP Notification on that article to ECHA, as from 5 January 2021.

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

17 Tris (2-Chloroethyl) Phosphate (TCEP) Content

By solvent extraction and followed by Liquid Chromatography - Mass Spectrometry analysis.

| Test Item                      | CAS No.  | Result (%)             |
|--------------------------------|----------|------------------------|
|                                |          | (17+18+19+20+21+22+23) |
| Tris (2-Chloroethyl) Phosphate | 115-96-8 | ND                     |

Remark: Reporting limit=0.010%

SVHC = Substance of very high concern

ND = Not detected (the result is less than the reporting limit)

Reporting limit = Quantitation limit of analyte in sample

Notes:

1. Substances of very high concern (SVHC) are classified as:

- Carcinogenicity category 1A or 1B;
- Germ cell mutagenicity category 1A or 1B;
- Reproductive toxicity category 1A or 1B, adverse effects on sexual function and fertility or on development;
- Persistent, bioaccumulative and toxic (PBT)
- Very persistent and very bioaccumulative (vPvB)
- Other substances for which there is scientific evidence of probable serious effects to human health or the environment which give rise to an equivalent level of concern, such as endocrine disrupters

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- Identity and contact details of the producer or importer;
- Registration number(s), if available;
- Identity of the substance;
- Classification of the substance(s);
- Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

**Waste Framework Directive (WFD) Requirement:**

As per Article 9(1)(i) of Directive 2008/98/EC on waste (WFD, Waste Framework Directive) as amended, Member States shall take measures to ensure that any supplier of an article as defined in point 33 of Article 3 of Regulation (EC) No 1907/2006 (REACH) provides the information pursuant to Article 33(1) of Regulation (EC) No 1907/2006 (REACH) to the European Chemicals Agency (ECHA) as from 5 January 2021. Any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) on the EU market is required to submit a SCIP Notification on that article to ECHA, as from 5 January 2021.

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued

**Test Report**

Number: SHAH0169004401

Tests Conducted

18 Phthalates Content (In SVHC List)

By solvent extraction and followed by Gas Chromatography – Mass Spectrometry analysis.

| Test Item                                                                                                                                                                                    | CAS No.                   | Result (%) |            |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------|------|
|                                                                                                                                                                                              |                           | (17+18+19) | (20+21+22) | (23) |
| Bis (2-Ethylhexyl) Phthalate (DEHP)                                                                                                                                                          | 117-81-7                  | ND         | ND         | ND   |
| Dibutyl Phthalate (DBP)                                                                                                                                                                      | 84-74-2                   | ND         | ND         | ND   |
| Benzyl Butyl Phthalate (BBP)                                                                                                                                                                 | 85-68-7                   | ND         | ND         | ND   |
| Diisobutyl Phthalate (DIBP)                                                                                                                                                                  | 84-69-5                   | ND         | ND         | ND   |
| 1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)                                                                                                 | 68515-42-4                | ND         | ND         | ND   |
| 1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)                                                                                        | 71888-89-6                | ND         | ND         | ND   |
| Bis(2-methoxyethyl) phthalate (DMEP)                                                                                                                                                         | 117-82-8                  | ND         | ND         | ND   |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                                                                             | 84777-06-0                | ND         | ND         | ND   |
| Diisopentylphthalate (DIPP)                                                                                                                                                                  | 605-50-5                  | ND         | ND         | ND   |
| N-pentyl-isopentylphthalate                                                                                                                                                                  | 776297-69-9               | ND         | ND         | ND   |
| Dipentyl phthalate (DPP)                                                                                                                                                                     | 131-18-0                  | ND         | ND         | ND   |
| Dihexyl phthalate                                                                                                                                                                            | 84-75-3                   | ND         | ND         | ND   |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                             | 68515-50-4                | ND         | ND         | ND   |
| 1,2-Benzenedicarboxylic acid, di-C <sub>6-10</sub> -alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) | 68515-51-5;<br>68648-93-1 | ND         | ND         | ND   |
| Dicyclohexyl phthalate (DCHP)                                                                                                                                                                | 84-61-7                   | ND         | ND         | ND   |
| Diisohexyl phthalate                                                                                                                                                                         | 71850-09-4                | ND         | ND         | ND   |

Remark: Reporting limit=0.010%

SVHC = Substance of very high concern

ND = Not detected (the result is less than the reporting limit)

Reporting limit = Quantitation limit of analyte in sample

Notes:

1. Substances of very high concern (SVHC) are classified as:

- Carcinogenicity category 1A or 1B;
- Germ cell mutagenicity category 1A or 1B;
- Reproductive toxicity category 1A or 1B, adverse effects on sexual function and fertility or on development;
- Persistent, bioaccumulative and toxic (PBT)
- Very persistent and very bioaccumulative (vPvB)
- Other substances for which there is scientific evidence of probable serious effects to human health or the environment which give rise to an equivalent level of concern, such as endocrine disruptors

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- (a) Identity and contact details of the producer or importer;
- (b) Registration number(s), if available;
- (c) Identity of the substance;
- (d) Classification of the substance(s);
- (e) Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- (f) Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

**Waste Framework Directive (WFD) Requirement:**

As per Article 9(1)(i) of Directive 2008/98/EC on waste (WFD, Waste Framework Directive) as amended, Member States shall take measures to ensure that any supplier of an article as defined in point 33 of Article 3 of Regulation (EC) No 1907/2006 (REACH) provides the information pursuant to Article 33(1) of Regulation (EC) No 1907/2006 (REACH) to the European Chemicals Agency (ECHA) as from 5 January 2021. Any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) on the EU market is required to submit a SCIP Notification on that article to ECHA, as from 5 January 2021.

Tested Component(s): See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

19 Phthalate Content

With reference to ISO 8124-6: 2018, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

I. Annex XVII Item 51

| Test Item                      | CAS No.  | Result (%w/w) | Reporting Limit (%w/w) | Limit (%w/w) |
|--------------------------------|----------|---------------|------------------------|--------------|
|                                |          | (17+18+19)    |                        |              |
| Dibutyl phthalate (DBP)        | 84-74-2  | ND            | 0.005                  | -            |
| Diethyl hexyl phthalate (DEHP) | 117-81-7 | ND            | 0.005                  | -            |
| Benzyl butyl phthalate (BBP)   | 85-68-7  | ND            | 0.005                  | -            |
| Diisobutyl phthalate (DIBP)    | 84-69-5  | ND            | 0.005                  | -            |
| Sum of DBP, DEHP, BBP and DIBP | -        | ND            | -                      | 0.1          |

| Test Item                      | CAS No.  | Result (%w/w) |      | Reporting Limit (%w/w) | Limit (%w/w) |
|--------------------------------|----------|---------------|------|------------------------|--------------|
|                                |          | (20+21+22)    | (23) |                        |              |
| Dibutyl phthalate (DBP)        | 84-74-2  | ND            | ND   | 0.005                  | -            |
| Diethyl hexyl phthalate (DEHP) | 117-81-7 | ND            | ND   | 0.005                  | -            |
| Benzyl butyl phthalate (BBP)   | 85-68-7  | ND            | ND   | 0.005                  | -            |
| Diisobutyl phthalate (DIBP)    | 84-69-5  | ND            | ND   | 0.005                  | -            |
| Sum of DBP, DEHP, BBP and DIBP | -        | ND            | ND   | -                      | 0.1          |

The above limit was quoted according to Annex XVII Item 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

II. Annex XVII Item 52

| Test Item                   | CAS No.                   | Result (%w/w) | Reporting Limit<br>(%w/w) | Limit<br>(%w/w) |
|-----------------------------|---------------------------|---------------|---------------------------|-----------------|
|                             |                           | (17+18+19)    |                           |                 |
| Di-n-octyl phthalate (DnOP) | 117-84-0                  | ND            | 0.005                     | -               |
| Diisononyl phthalate (DINP) | 28553-12-0/<br>68515-48-0 | ND            | 0.005                     | -               |
| Diisodecyl phthalate (DIDP) | 26761-40-0/<br>68515-49-1 | ND            | 0.005                     | -               |
| Sum of DINP, DNOP and DIDP  | -                         | ND            | -                         | 0.1             |

| Test Item                   | CAS No.                   | Result (%w/w) |      | Reporting Limit<br>(%w/w) | Limit<br>(%w/w) |
|-----------------------------|---------------------------|---------------|------|---------------------------|-----------------|
|                             |                           | (20+21+22)    | (23) |                           |                 |
| Di-n-octyl phthalate (DnOP) | 117-84-0                  | ND            | ND   | 0.005                     | -               |
| Diisononyl phthalate (DINP) | 28553-12-0/<br>68515-48-0 | ND            | ND   | 0.005                     | -               |
| Diisodecyl phthalate (DIDP) | 26761-40-0/<br>68515-49-1 | ND            | ND   | 0.005                     | -               |
| Sum of DINP, DNOP and DIDP  | -                         | ND            | ND   | -                         | 0.1             |

The above limit was quoted according to Annex XVII Item 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 for phthalate content in toys and childcare articles.

Remark: ND = Not Detected(Less than reporting limit)

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

20 C.I. Basic Violet 3 Content

By solvent extraction and determined by Liquid Chromatography with Tandem Mass Spectrometry (LC-MS-MS).

| Test Item                                                                                                                                                                            | Result (% w/w)      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                                                                                                                                                                                      | (17+18+19+20+21+22) |
| [4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]-dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone or Michler's base] | ND                  |

Remark: ND = Not detected (Less than reporting limit)  
Reporting limit = 0.01%

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- Identity and contact details of the producer or importer;
- Registration number(s), if available;
- Identity of the substance;
- Classification of the substance(s);
- Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass  
Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

21 Short-Chain Chlorinated Paraffins (C10~C13)(SCCPs) Content

By solvent extraction, determined by Gas Chromatography-Electron Capture Detector (GC-ECD) and Gas Chromatography-Negative Chemical Ionization-Mass Spectrometry (GC-NCI-MS).

| <u>Tested Component</u> | <u>Result (% w/w)</u> |
|-------------------------|-----------------------|
| (17+18+19)              | ND                    |
| (20+21+22)              | ND                    |
| (23)                    | ND                    |

Requirement:

Short Chain Chlorinated Paraffin's concentration should be lower than 0.15% in articles under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).

Short Chain Chlorinated Paraffin's concentration should be lower than 1% in substances or mixtures under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).

Remark: Detection Limit = 0.01% (w/w)

ND = Not detected

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

22 Toxic Elements Analysis

As per European Directive 94/62/EC and Amendments 2004/12/EC & 2005/20/EC & 2013/2/EU on packaging and packaging waste, acid digestion method was used and total toxic elements and Hexavalent Chromium content were determined by Inductively Coupled Argon Plasma Spectrometry and by UV-Visible Spectrophotometry.

|                       | <u>Result (ppm)</u> | <u>Limit (ppm)</u> |
|-----------------------|---------------------|--------------------|
|                       | (27)                | (28)               |
| Lead (Pb)             | <5                  | <5                 |
| Cadmium (Cd)          | <1                  | <1                 |
| Mercury (Hg)          | <5                  | <5                 |
| Chromium VI (Cr (VI)) | <1                  | <1                 |
| Total                 | (0~12)              | (0~12)             |
|                       |                     | 100                |

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

23 Dibutylbis(pentane-2,4-dionato-O,O')tin Content

By acid digestion and followed by Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) analysis.

| Test Item                                 | CAS No.    | Result (%, w/w)               |
|-------------------------------------------|------------|-------------------------------|
|                                           |            | (8+9+10+11+12+13+14+15+16+17) |
| Dibutylbis(pentane-2,4-dionato-O,O')tin Δ | 22673-19-4 | ND                            |

| Test Item                                 | CAS No.    | Result (%, w/w)              |
|-------------------------------------------|------------|------------------------------|
|                                           |            | (18+19+20+21+22+23+24+25+26) |
| Dibutylbis(pentane-2,4-dionato-O,O')tin Δ | 22673-19-4 | ND                           |

Remark: ND = Not Detected (Less than reporting limit)

Reporting limit = 0.01%

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- Identity and contact details of the producer or importer;
- Registration number(s), if available;
- Identity of the substance;
- Classification of the substance(s);
- Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 16, 2024

24 2-methylimidazole Content

By solvent extraction and followed by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

| Test Item         | CASs No. | Result (% w/w)                |
|-------------------|----------|-------------------------------|
|                   |          | (8+9+10+11+12+13+14+15+16+17) |
| 2-methylimidazole | 693-98-1 | ND                            |

| Test Item         | CAS No.  | Result (% w/w)               |
|-------------------|----------|------------------------------|
|                   |          | (18+19+20+21+22+23+24+25+26) |
| 2-methylimidazole | 693-98-1 | ND                           |

Remark: ND = Not Detected (Less than reporting limit)

Reporting limit = 0.01%

REACH requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- Identity and contact details of the producer or importer;
- Registration number(s), if available;
- Identity of the substance;
- Classification of the substance(s);
- Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

Tested Components: See component list in the last section of this report.

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

25 Tris(4-nonylphenyl, Branched and Linear) Phosphite (TNPP) with  $\geq 0.1\%$  w/w of 4-nonylphenol, Branched and Linear (4-NP) Content

By solvent extraction and followed by Gas Chromatography-Mass Spectrometry (GC-MS) / Liquid Chromatography with tandem mass spectrometry (LC-MS-MS) analysis.

| Test Item                                                                                                                    | CAS No. | Result (%. w/w)               |
|------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------|
|                                                                                                                              |         | (8+9+10+11+12+13+14+15+16+17) |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | -       | ND                            |

| Test Item                                                                                                                    | CAS No. | Result (%. w/w)              |
|------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|
|                                                                                                                              |         | (18+19+20+21+22+23+24+25+26) |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | -       | ND                           |

Remark: ND = Not Detected (Less than reporting limit)

Reporting limit = 0.01%

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To be continued



## Test Report

Number: SHAH0169004401

### Tests Conducted

#### REACH Requirement:

As per Article 7 of Regulation (EC) No 1907/2006 (REACH) as amended, if a substance of very high concern (SVHC) on the Candidate List for Authorisation is present in articles above a concentration of 0.1% weight by weight (w/w) and the substance is present in those articles in quantities totalling over 1 tonne per producer or per importer per year, then the producer or importer shall notify the European Chemicals Agency (ECHA). The notifications have to be submitted no later than 6 months after the inclusion in the Candidate List. The information to be notified shall include the following:

- Identity and contact details of the producer or importer;
- Registration number(s), if available;
- Identity of the substance;
- Classification of the substance(s);
- Brief description of the use(s) of the substance(s) in the article and of the uses of the article(s);
- Tonnage range of the substance(s).

As per Article 31 of Regulation (EC) No 1907/2006 (REACH) as amended, the supplier of mixture not classified as hazardous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), shall provide the recipient at his request with a safety data sheet, where a mixture contains at least one substance on the SVHC list (Candidate List of substances of very high concern for Authorisation) and its individual concentration is of 0.1% or above by weight for non-gaseous mixtures.

As per Article 33(1) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with information of safe use of the article. An article meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% weight by weight (w/w).

As per Article 33(2) of Regulation (EC) No 1907/2006 (REACH) as amended, any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) shall provide the consumer on request with information of safe use of the article, within 45 days of receipt of the request.

As per Court of Justice of the European Union Judgment in Case C-106/14, Press Release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

Tested Components: See component list in the last section of this report.

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To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted



Picture of sample

Date Sample Received: May 14, 2024

Testing Period: May 14, 2024 To May 17, 2024

\*\*\*\*\*  
To be continued



**Test Report**

Number: SHAH0169004401

Tests Conducted

Components list :

- (1) White coating on metal.(design on body)
- (2) Pink coating on metal.(design on body)
- (3) Dark blue coating on metal.(design on body)
- (4) Dark green coating on metal.(design on body)
- (5) Gray coating on metal.(design on body)
- (6) Black coating on metal.(design on body)
- (7) Silver color metal excluding coating.(outer body)
- (8) Black plastic.(inner body)
- (9) White plastic.(swivel lid/handle)
- (10) Pink plastic.(swivel lid)
- (11) Dark blue plastic.(swivel lid/handle)
- (12) Dark green plastic.(swivel lid/handle)
- (13) Gray plastic.(swivel lid)
- (14) Black plastic.(swivel lid/handle)
- (15) Transparent plastic.(main lid)
- (16) Transparent black plastic.(main lid)
- (17) White soft plastic.(stopper on swivel lid)
- (18) Pink soft plastic.(stopper on swivel lid)
- (19) Dark blue soft plastic.(stopper on swivel lid)
- (20) Dark green soft plastic.(stopper on swivel lid)
- (21) Light gray soft plastic.(stopper on swivel lid)
- (22) Black soft plastic.(stopper on swivel lid/gasket/hole)
- (23) Dark gray foam.(on bottom)
- (24) White plastic.(straw)
- (25) Pink plastic.(straw)
- (26) Black plastic.(straw)
- (27) White paper with black printing.(instruction page)
- (28) White adhesive paper with lake green/black/gray coatings.(sticker)
- (29) Whole Sample(White style)
- (30) Whole Sample(Pink style)
- (31) Whole Sample(Dark blue style)
- (32) Whole Sample(Dark green style)
- (33) Whole Sample(Gray style)
- (34) Whole Sample(Black hite style)

\*\*\*\*\*  
End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.*

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