

TEST REPORT

APPLICANT : Mid Ocean Brands B.V.

ADDRESS : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong.

SAMPLE DESCRIPTION : Double wall vaccum flask

MODEL NO. : MO9703

VENDOR CODE : 118449

MATERIAL NO. : Stainless steel

BUYER : Mid Ocean Brands B.V.

PRODUCT MATERIAL : PP ABS Silicone Stainless steel

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : EU

SAMPLE RECEIVED DATE : 22-Nov-2023

FURTHER INFORMATION DATE : 28-Dec-2023

TURN AROUND TIME : 22-Nov-2023 to 05-Jan-2024

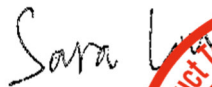
The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

| TEST REQUESTED | TEST METHOD/REGULATION | RESULT |
|--|--|--------|
| Overall Migration | Regulation (EU) No. 10/2011 and its amendments | Pass |
| Overall Migration-Silicone | Resolution AP (2004) 5 | Pass |
| Specific Migration of Heavy Metal | Regulation (EU) No. 10/2011 and its amendments | Pass |
| Peroxide Value | French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992 | Pass |
| Volatile Organic Matter (VOM) | French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992 | Pass |
| Total Bisphenol A (BPA) Content | EPA 3550C:2007, EPA 8321B:2007 | Pass |
| Total Bisphenol A (BPA) Content | French Décret 2007-766 and its amendments, and French Law No. 2012/1442 | Pass |
| Specific Migration of Bisphenol A | Regulation (EU) No. 10/2011 and its amendments | Pass |
| Specific migration of Organotin (as tin) | French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992 | Pass |
| Specific Migration of Acrylonitrile | Regulation (EU) No. 10/2011 and its amendments | Pass |
| Specific Release of Heavy Metals | EU Resolution CM/Res (2013)9 | Pass |
| Specific Migration of Primary Aromatic Amine | Regulation (EU) No. 10/2011 and its amendments | Pass |
| Phthalates Content | REACH Annex XVII, Entry 51 & 52 | Pass |
| Total Cadmium Content | REACH Annex XVII, Entry 23 | Pass |
| Total Lead Content | REACH Annex XVII, Entry 63 | Pass |
| Polycyclic Aromatic Hydrocarbons (PAHs) | REACH Annex XVII, Entry 50 | Pass |

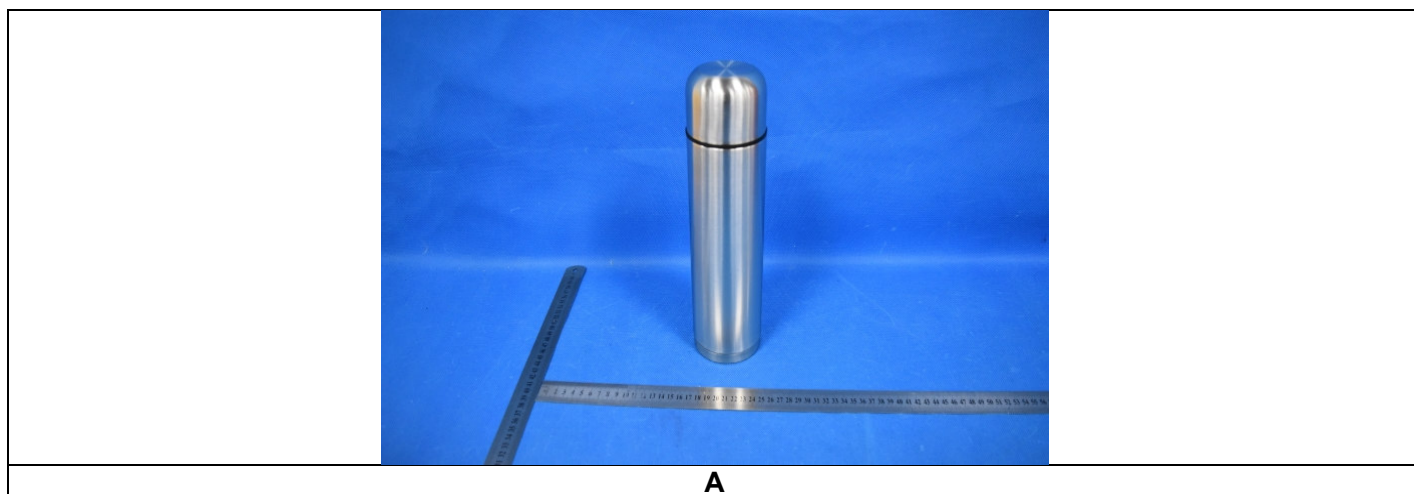
Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Hangzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will consider the measurement uncertainty as calculated by our laboratory and apply according to ILAC G8:09/2019-(binary acceptance base on guard band). If you happen to have any comments, please do it by sending email to info.hz@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Hangzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins Product Testing Service (Hangzhou) Co., LtdSara Liu
lab manager

SAMPLE PHOTO(S)



EFHZ23113653-CG-01

TO BE CONTINUED

COMPONENT LIST

| Component No. | Component | Sample No. |
|---------------|-------------------------------|------------|
| 1 | Silver stainless steel(inner) | A |
| 2 | Silver stainless steel(outer) | A |
| 3 | Transparent silicone ring | A |
| 4 | Black PP lid | A |
| 5 | White ABS lid | A |

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Request: To determine the Overall Migration in accordance with Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by filling a container method;

| Simulant Used | Time | Temperature | Unit | Limit | Result | | |
|----------------|--------|-------------|--------------------|-------|-----------------|-----------------|-----------------|
| | | | | | 4 | | |
| | | | | | 1 st | 2 nd | 3 rd |
| Acetic Acid 3% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |
| Ethanol 50% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method;

| Simulant Used | Time | Temperature | Unit | Limit | Result | | |
|----------------|--------|-------------|--------------------|-------|-----------------|-----------------|-----------------|
| | | | | | 5 | | |
| | | | | | 1 st | 2 nd | 3 rd |
| Acetic Acid 3% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |
| Ethanol 50% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |

Remark:

mg/dm² = milligram per square decimeter
Test condition & simulant were specified by client.

Overall Migration-Silicone

Test Request: In accordance with Council of Europe Resolution AP (2004) 5.

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method;

| Simulant Used | Time | Temperature | Unit | Limit | Result | | |
|----------------|--------|-------------|--------------------|-------|-----------------|-----------------|-----------------|
| | | | | | 3 | | |
| | | | | | 1 st | 2 nd | 3 rd |
| Acetic Acid 3% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |
| Ethanol 50% | 2hours | 70° C | mg/dm ² | 10 | <3.0 | <3.0 | <3.0 |

Remark:

mg/dm² = milligram per square decimeter
Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Heavy Metal

Test Requested: To determine the Specific Migration of Heavy Metal in accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, and BfR recommendation, Commission Regulation (EU) No. 10/2011 and its amendments.

Test Method: With reference to Regulation (EU) 10/2011 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-MS.

Simulant used : 3% Acetic Acid (W/V) Aqueous Solution

Test condition : 70°C 2hours

| Test Item(s) | Max. Permissible limit | Unit | MDL | Test Result | | |
|----------------------------------|------------------------|-------|-------|----------------------|----------------------|----------------------|
| | | | | 4 | | |
| | | | | 1 st Test | 2 nd Test | 3 rd Test |
| Barium(Ba) | 1 | mg/kg | 0.25 | ND | ND | ND |
| Cobalt(Co) | 0.05 | mg/kg | 0.01 | ND | ND | ND |
| Copper(Cu) | 5 | mg/kg | 0.25 | ND | ND | ND |
| Iron(Fe) | 48 | mg/kg | 0.25 | ND | ND | ND |
| Lithium(Li) | 0.6 | mg/kg | 0.5 | ND | ND | ND |
| Manganese(Mn) | 0.6 | mg/kg | 0.05 | ND | ND | ND |
| Zinc(Zn) | 5 | mg/kg | 0.5 | ND | ND | ND |
| Aluminum(Al) | 1 | mg/kg | 0.1 | ND | ND | ND |
| Nickel(Ni) | 0.02 | mg/kg | 0.01 | ND | ND | ND |
| Antimony(Sb) | 0.04 | mg/kg | 0.01 | ND | ND | ND |
| Arsenic(As) | ND | mg/kg | 0.01 | ND | ND | ND |
| Cadmium(Cd) | ND | mg/kg | 0.002 | ND | ND | ND |
| Chromium(Cr) | ND | mg/kg | 0.01 | ND | ND | ND |
| Lead(Pb) | ND | mg/kg | 0.01 | ND | ND | ND |
| Mercury(Hg) | ND | mg/kg | 0.01 | ND | ND | ND |
| Europium(Eu) | - | mg/kg | 0.01 | ND | ND | ND |
| Gadolinium(Gd) | - | mg/kg | 0.01 | ND | ND | ND |
| Lanthanum(La) | - | mg/kg | 0.01 | ND | ND | ND |
| Terbium(Tb) | - | mg/kg | 0.01 | ND | ND | ND |
| Sum of all lanthanide substances | 0.05 | mg/kg | - | ND | ND | ND |

TO BE CONTINUED

TEST RESULT

| Test Item(s) | Max. Permissible limit | Unit | MDL | Test Result | | |
|----------------------------------|------------------------|-------|-------|----------------------|----------------------|----------------------|
| | | | | 5 | | |
| | | | | 1 st Test | 2 nd Test | 3 rd Test |
| Barium(Ba) | 1 | mg/kg | 0.25 | ND | ND | ND |
| Cobalt(Co) | 0.05 | mg/kg | 0.01 | ND | ND | ND |
| Copper(Cu) | 5 | mg/kg | 0.25 | ND | ND | ND |
| Iron(Fe) | 48 | mg/kg | 0.25 | ND | ND | ND |
| Lithium(Li) | 0.6 | mg/kg | 0.5 | ND | ND | ND |
| Manganese(Mn) | 0.6 | mg/kg | 0.05 | ND | ND | ND |
| Zinc(Zn) | 5 | mg/kg | 0.5 | ND | ND | ND |
| Aluminum(Al) | 1 | mg/kg | 0.1 | ND | ND | ND |
| Nickel(Ni) | 0.02 | mg/kg | 0.01 | ND | ND | ND |
| Antimony(Sb) | 0.04 | mg/kg | 0.01 | ND | ND | ND |
| Arsenic(As) | ND | mg/kg | 0.01 | ND | ND | ND |
| Cadmium(Cd) | ND | mg/kg | 0.002 | ND | ND | ND |
| Chromium(Cr) | ND | mg/kg | 0.01 | ND | ND | ND |
| Lead(Pb) | ND | mg/kg | 0.01 | ND | ND | ND |
| Mercury(Hg) | ND | mg/kg | 0.01 | ND | ND | ND |
| Europium(Eu) | - | mg/kg | 0.01 | ND | ND | ND |
| Gadolinium(Gd) | - | mg/kg | 0.01 | ND | ND | ND |
| Lanthanum(La) | - | mg/kg | 0.01 | ND | ND | ND |
| Terbium(Tb) | - | mg/kg | 0.01 | ND | ND | ND |
| Sum of all lanthanide substances | 0.05 | mg/kg | - | ND | ND | ND |

Remark:

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not detected, less than MDL
- (4) Test condition & simulant were specified by client.
- (5) * The result was found to be more than the permissible limit.

TO BE CONTINUED

TEST RESULT

Peroxide Value

Test Request: In accordance with French Décret 2007-766 and its amendments, and French Arrêté du 25 Novembre 1992 for silicone materials.

| Sample | Limit | Result |
|--------|--------|--------|
| 3 | Absent | Absent |

Volatile Organic Matter (VOM)

Test Request: In accordance with French Décret 2007-766 and its amendments , and French Arrêté du 25 Novembre 1992.

Test Method: With reference to French Arrêté du November 1992 Annex III.

Test Condition: 200°C, 4 hours

| Test Item(s) | Unit | Limit | MDL | Result | |
|-------------------------------|------|-------|------|--------|--|
| | | | | 3 | |
| Volatile Organic Matter (VOM) | % | 0.5 | 0.10 | 0.32 | |

Total Bisphenol A (BPA) Content

Test Request: Total Bisphenol A (BPA) content as specified in client' s request

Test Method: With reference to EPA 3550C:2007, EPA 8321B:2007, solvent extraction and determination by LC-MS.

| Test Item(s) | CAS No. | Unit | Limit | MDL | Result | |
|--------------|---------|-------|-------|-----|--------|----|
| | | | | | 4 | 5 |
| Bisphenol A | 80-05-7 | mg/kg | 1000 | 0.1 | ND | ND |

Remarks:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Bisphenol A (BPA) Content

Test Request: In accordance with French Décret 2007-766 and its amendments, and French Law No. 2012/1442.

Test Method: With reference to EPA 3550C:2007, EPA 8321B:2007, solvent extraction and determination by LC-MS.

| Test Item(s) | CAS No. | Unit | Limit | MDL | Result |
|--------------|---------|-------|-------|------|--------|
| | | | | | 3 |
| Bisphenol A | 80-05-7 | mg/kg | ND | 0.10 | ND |

Remarks:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Specific Migration of Bisphenol A

Test Request: To determine Specific Migration of Bisphenol A in accordance with Commission Regulation (EU) No 10/2011 and its amendments.

Test Method: With reference to BS EN 13130-1:2004, analysis was performed by LC-MS.

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution

Test Condition: 70°C 2hours

| Test Item(s) | Unit | Limit | MDL | Result | | |
|--|-------|-------|------|----------------------|----------------------|----------------------|
| | | | | 3 | | |
| | | | | 1 st Test | 2 nd Test | 3 rd Test |
| 2,2-bis(4-hydroxyphenyl) Propane (Bisphenol A) | mg/kg | 0.05 | 0.01 | ND | ND | ND |

Remark:

1. mg/kg = milligram per kilogram
2. ND = not detected, less than MDL
3. MDL = method detection limit
4. Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Specific migration of Organotin (as tin)

Test Requested: In accordance with French Décret 2007-766 and its amendments, and French Arrêté du 25 November 1992 for silicone materials.

Test Method: With reference to BS EN 13130-1:2004, analysis was performed by ICP-MS.

Simulant Used: 3% Acetic Acid(W/V) Aqueous Solution

Test Condition: 70°C 2hours

| Test Item(s) | Limit | Unit | MDL | Result | | |
|--------------------|-------|-------|------|----------------------|----------------------|----------------------|
| | | | | 3 | | |
| | | | | 1 st Test | 2 nd Test | 3 rd Test |
| Organotin (as tin) | 0.1 | mg/kg | 0.01 | ND | ND | ND |

Remark:

- (1) mg/kg = milligram per kilogram
- (2) MDL = method detection limit
- (3) ND = not detected (<MDL)

Specific Migration of Acrylonitrile

Test Request: To determine the Specific Migration of Acrylonitrile for compliance with Commission Regulation (EU) No 10/2011 and its amendments.

Test Method: With reference to BS EN 13130-3:2004, analysis was performed by HD-GC-MS.

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution

Test Condition: 70°C 2hours

| Test Item(s) | Unit | Limit | MDL | Result | | |
|---------------|-------|----------------|------|----------------------|----------------------|----------------------|
| | | | | 5 | | |
| | | | | 1 st Test | 2 nd Test | 3 rd Test |
| Acrylonitrile | mg/kg | Not Detectable | 0.01 | ND | ND | ND |

Remark:

1. mg/kg = milligram per kilogram
2. ND = not detected, less than MDL
3. MDL = method detection limit
4. Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Request: In accordance with Resolution CM/Res (2013)9 on metals and alloys used in food contact materials and articles.
 Test Method: With reference to Resolution CM/Res(2013)9, analysis was performed by ICP-MS.
 Simulant Used: 0.5% citric acid
 Test Condition: 70°C 2hours

| Test Item(s) | Unit | MDL | Result | | | |
|------------------------|-------|---------|---|---------------------|---------------------------|-------------------|
| | | | 1 | | | |
| | | | 1 st + 2 nd Migration | | 3 rd Migration | |
| | | | Result | 7xSRL ^{*2} | Result | SRL ^{*1} |
| Aluminum (Al) | mg/kg | 0.5 | ND | 35 | ND | 5 |
| Antimony (Sb) | mg/kg | 0.01 | ND | 0.28 | ND | 0.04 |
| Chromium (Cr) | mg/kg | 0.05 | ND | 1.75 | ND | 0.25 |
| Cobalt (Co) | mg/kg | 0.005 | ND | 0.14 | ND | 0.02 |
| Copper (Cu) | mg/kg | 0.5 | ND | 28 | ND | 4 |
| Iron (Fe) | mg/kg | 5 | ND | 280 | ND | 40 |
| Manganese (Mn) | mg/kg | 0.2 | ND | 12.6 | ND | 1.8 |
| Molybdenum (Mo) | mg/kg | 0.01 | ND | 0.84 | ND | 0.12 |
| Nickel (Ni) | mg/kg | 0.01 | ND | 0.98 | ND | 0.14 |
| Silver (Ag) | mg/kg | 0.01 | ND | 0.56 | ND | 0.08 |
| Tin (Sn) ^{*3} | mg/kg | 5 | ND | 700 | ND | 100 |
| Vanadium (V) | mg/kg | 0.001 | ND | 0.07 | ND | 0.01 |
| Zinc (Zn) | mg/kg | 0.5 | ND | 35 | ND | 5 |
| Arsenic (As) | mg/kg | 0.0005 | ND | 0.014 | ND | 0.002 |
| Barium (Ba) | mg/kg | 0.1 | ND | 8.4 | ND | 1.2 |
| Beryllium (Be) | mg/kg | 0.001 | ND | 0.07 | ND | 0.01 |
| Cadmium (Cd) | mg/kg | 0.001 | ND | 0.035 | ND | 0.005 |
| Lead (Pb) | mg/kg | 0.001 | ND | 0.07 | ND | 0.01 |
| Lithium (Li) | mg/kg | 0.005 | ND | 0.336 | ND | 0.048 |
| Mercury (Hg) | mg/kg | 0.0005 | ND | 0.021 | ND | 0.003 |
| Thallium (Tl) | mg/kg | 0.00005 | ND | 0.0007 | ND | 0.0001 |
| Magnesium (Mg) | mg/kg | 0.1 | ND | - | ND | - |
| Titanium (Ti) | mg/kg | 0.1 | ND | - | ND | - |

Remark:

mg/kg =milligram per kilogram

MDL = method detection limit

ND = not detected (<MDL)

SRL = Specific Release Limit

*1 Compliance is established on the result from the third migration test for repeated used articles.

*2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL

*3 Except in field of application under Regulation (EC) No.1881/2006.(canned food container)

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: Specific migration of primary aromatic amines as specified in Commission Regulation (EU) No 10/2011 and its amendments.
 Test Method: With reference to EN 13130-1:2004 for sample preparation, analysis was performed by UV-VIS and LC-MS/MS.
 Simulant Used: Acetic Acid 3%
 Test Condition: 2h at 70°C

| Test Item(s) | CAS No. | Unit | Limit | MDL | Result | | | | | |
|--|----------|-------|-------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | | | 4 | | | 5 | | |
| | | | | | 1 st | 2 nd | 3 rd | 1 st | 2 nd | 3 rd |
| 1,3-phenylenediamine | 108-45-2 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 2,4,5-trimethylaniline | 137-17-7 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 2-methoxy-5-methylaniline | 120-71-8 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 2-naphthylamine | 91-59-8 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 3,3-dichlorobenzidine | 91-94-1 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 3,3-dimethoxybenzidine | 119-90-4 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 3,3-dimethylbenzidine | 119-93-7 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4,4-methylene-bis-(2-chloro-aniline) | 101-14-4 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4,4-methylenedianiline | 101-77-9 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4,4-methylenendi-o-toluidine | 838-88-0 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4,4-oxydianiline | 101-80-4 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4,4-thiodianiline | 139-65-1 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-amino-azobenzene | 60-09-3 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-aminobiphenyl | 92-67-1 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-chloroaniline | 106-47-8 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-chloro-o-toluidine | 95-69-2 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-methoxy-m-phenylenediamine | 615-05-4 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 4-methyl-m-phenylenediamine | 95-80-7 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| 5-nitro-o-toluidine | 99-55-8 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| benzidine | 92-87-5 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| o-aminoazotoluene | 97-56-3 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| o-anisidine | 90-04-0 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| o-toluidine | 95-53-4 | mg/kg | 0.002 | 0.002 | ND | ND | ND | ND | ND | ND |
| Total of other Primary Aromatic Amines | - | mg/kg | 0.01 | 0.01 | ND | ND | ND | ND | ND | ND |

Remark:

mg/kg = milligram per kilogram
 MDL = method detection limit
 ND = Not detected, less than MDL

Total other primary aromatic amines are 1,4-phenylenediamine (CAS No.: 106-50-3), 2,4-dimethylaniline (CAS No.: 95-68-1), 2,6-dimethylaniline (CAS No.: 87-62-7), aniline (CAS No.: 62-53-3).

The test item is testing in Eurofins Internal laboratory.

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

| Test Item(s) | CAS No. | Unit | Limit | MDL | Result |
|------------------------------|------------|------|-------|-------|--------|
| | | | | | 3+4+5 |
| Dibutylphthalate (DBP) | 84-74-2 | % | - | 0.005 | ND |
| Benzyl butyl phthalate (BBP) | 85-68-7 | % | - | 0.005 | ND |
| Diethylhexylphthalate (DEHP) | 117-81-7 | % | - | 0.005 | ND |
| Di-isobutyl phthalate (DiBP) | 84-69-5 | % | - | 0.005 | ND |
| Sum of (DEHP+DBP+BBP+DiBP) | - | % | 0.1 | - | ND |
| Di-n-octylphthalate (DNOP) | 117-84-0 | % | - | 0.005 | ND |
| Diisononyl phthalate (DINP) | 28553-12-0 | % | - | 0.005 | ND |
| Diisodecyl phthalate (DIDP) | 26761-40-0 | % | - | 0.005 | ND |
| Sum (DNOP + DINP + DIDP) | - | % | 0.1 | - | ND |

Remarks:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

“- “ = Not Regulated

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

| Test Item(s) | Unit | Limit | MDL | Result | | |
|---------------|-------|-------|-----|--------|--|--|
| | | | | 3+4+5 | | |
| Total Cadmium | mg/kg | 100 | 5 | ND | | |

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

| Test Item(s) | Unit | Limit | MDL | Result | | |
|--------------|-------|-------|-----|--------|----|-----|
| | | | | 1+2 | 3 | 4+5 |
| Total Lead | mg/kg | 500 | 10 | ND | ND | ND |

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in Regulation (EU) 2015/326 amending entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2019:01 PAK

| Test Item(s) | CAS No. | Unit | Limit | MDL | Result |
|-----------------------|----------|-------|-------|-----|--------|
| | | | | | 3+4+5 |
| Benz(a)anthracene | 56-55-3 | mg/kg | 1 | 0.2 | ND |
| Chrysene | 218-01-9 | mg/kg | 1 | 0.2 | ND |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | 1 | 0.2 | ND |
| Benzo(j)-fluoranthene | 205-82-3 | mg/kg | 1 | 0.2 | ND |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | 1 | 0.2 | ND |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 1 | 0.2 | ND |
| Dibenz(a,h)anthracene | 53-70-3 | mg/kg | 1 | 0.2 | ND |
| Benzo(e)pyrene | 192-97-2 | mg/kg | 1 | 0.2 | ND |

Remarks:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

END OF THE REPORT