AT-1500

# TEST REPORT

| | | | |
|---|---|---|---|
| Test Report # | 16H-05234 | Date of Report Issue: | August 25, 2016 |
| Date of Sample Received: | August 17, 2016 | Pages: | Page 1 of 15 |

**CLIENT INFORMATION:**

| | |
|---|---|
| Company: | Hit Promotional Products |
| Recipient: | Nathan Cotter |
| Recipient Email: | ncotter@hitpromo.net |

**SAMPLE INFORMATION:**

| | | | |
|---|---|---|---|
| Description: | 24oz. Shaker Bottle | | |
| Assortment: | 5 Colors | Purchase Order Number: | 176027 |
| SKU No.: | 5978 | Agent: | Growth-Sonic |
| Factory No.: | 127875 | Country of Origin: | China |
| Country of Distribution: | United States | Labeled Age Grade: | - |
| Quantity Submitted: | 5 pcs (Orange, Green), 4 pcs (Turquoise, Purple), 3 pcs (red) + 1 lot Parts | Recommended Age Grade: | - |
| Testing Period: | 08/17/2016 – 08/25/2016 | Tested Age Grade: | - |

**OVERALL RESULT:** **PASS**

Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit
Manager, Chemical Laboratory

**TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

| CONCLUSION | TEST(S) CONDUCTED |
|---|---|
| PASS | CPSIA Section 101, Total Lead in Substrate Materials |
| PASS | Client's Requirement: Bisphenol A and Bisphenol S[#] |
| PASS | FDA 21 CFR 177.1210, Closures with Sealing Gaskets[#] |
| PASS | FDA 21 CFR 177.1520, Polypropylene Copolymers |
| PASS | Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates |

*Remark:*
CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

**DETAILED RESULTS:**

**CPSIA Section 101, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 1+2+3 | 4+5 | 6+7 | 13+14+15 | 16+17+18 | **Total Limit (ppm)** |
|---|---|---|---|---|---|---|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | ND | ND | ND | ND | **100** |
| **Conclusion** | PASS | PASS | PASS | PASS | PASS | |

*Note:*
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:**

**Client's Requirement: Bisphenol A and Bisphenol S**

Test Method: AI|ANSECO Method#
Analytical Method: Liquid Chromatography with Mass Spectrometry

| Specimen No. | | 6 | 7 | 8 | 9 | |
|---|---|---|---|---|---|---|
| Test Item | CAS No. | Result (ppb) | Result (ppb) | Result (ppb) | Result (ppb) | **Limit (ppb)** |
| Bisphenol A (BPA) | 80-05-7 | ND | ND | ND | ND | **ND** |
| Bisphenol S (BPS) | 80-09-1 | ND | ND | ND | ND | **ND** |
| **Conclusion** | | PASS | PASS | PASS | PASS | |

| Specimen No. | | 10 | 11 | 12 | 13 | |
|---|---|---|---|---|---|---|
| Test Item | CAS No. | Result (ppb) | Result (ppb) | Result (ppb) | Result (ppb) | **Limit (ppb)** |
| Bisphenol A (BPA) | 80-05-7 | ND | ND | ND | ND | **ND** |
| Bisphenol S (BPS) | 80-09-1 | ND | ND | ND | ND | **ND** |
| **Conclusion** | | PASS | PASS | PASS | PASS | |

*Note:*
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
LT = Less than
ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

**DETAILED RESULTS:**

**Client's Requirement: Bisphenol A and Bisphenol S**

Test Method: AI|ANSECO Method#
Analytical Method: Liquid Chromatography with Mass Spectrometry

| Specimen No. | | 14 | 15 | 16 | 17 | |
|---|---|---|---|---|---|---|
| Test Item | CAS No. | Result (ppb) | Result (ppb) | Result (ppb) | Result (ppb) | **Limit (ppb)** |
| Bisphenol A (BPA) | 80-05-7 | ND | ND | ND | ND | **ND** |
| Bisphenol S (BPS) | 80-09-1 | ND | ND | ND | ND | **ND** |
| **Conclusion** | | PASS | PASS | PASS | PASS | |

| Specimen No. | | 18 | --- | --- | --- | |
|---|---|---|---|---|---|---|
| Test Item | CAS No. | Result (ppb) | Result (ppb) | Result (ppb) | Result (ppb) | **Limit (ppb)** |
| Bisphenol A (BPA) | 80-05-7 | ND | --- | --- | --- | **ND** |
| Bisphenol S (BPS) | 80-09-1 | ND | --- | --- | --- | **ND** |
| **Conclusion** | | PASS | --- | --- | --- | |

*Note:*
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
LT = Less than
ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210#

| Specimen No. | | | 13 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling, cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | ND | **10** | **50** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 14 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling, cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | 10 | **10** | **50** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210#

| Specimen No. | | | 15 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling , cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | ND | **10** | **50** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 16 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling , cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | 10 | **10** | **50** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210#

| Specimen No. | | | 17 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling , cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | ND | **10** | **50** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 18 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Distilled water extractive (ppm) | Fill boiling , cool to 100°F | 140 minutes | ND | **10** | **50** |
| n-Heptane extractive (ppm) | 120°F | 15 minutes | ND | **10** | **50** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

| Specimen No. | | | 6 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.903 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.4 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 6.1 | **1** | **30** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 7 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.898 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 3.0 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 2.1 | **1** | **30** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% w/w = Percent by weight
NA = Not applicable
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

| Specimen No. | | | 8 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.906 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.5 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 2.7 | **1** | **30** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 9 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.904 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.4 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 3.3 | **1** | **30** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% w/w = Percent by weight
NA = Not applicable
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

| Specimen No. | | | 10 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.903 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.5 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 3.4 | **1** | **30** |
| **Conclusion** | | | PASS | | |

| Specimen No. | | | 11 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.904 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.5 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 4.0 | **1** | **30** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% w/w = Percent by weight
NA = Not applicable
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

| Specimen No. | | | 12 | | |
|---|---|---|---|---|---|
| Test Item | Test Condition | | Result | **RL** | **Limit** |
| | Temp. | Duration | | | |
| Density (g/cc) | NA | NA | 0.904 | **NA** | **0.85 – 1.00** |
| n-Hexane extractive (% w/w) | 50 °C | 2 hours | 0.4 | **0.4** | **5.5** |
| Xylene extractive (% w/w) | 25 °C | 1 hour | 4.3 | **1** | **30** |
| **Conclusion** | | | PASS | | |

*Note:*
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% w/w = Percent by weight
NA = Not applicable
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*
The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 1+2+3 | 4+5 | 6+7 | 13+14+15 | 16+17+18 | **Total Limit (ppm)** |
|---|---|---|---|---|---|---|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | ND | ND | ND | ND | **90** |
| **Conclusion** | PASS | PASS | PASS | PASS | PASS | |

*Note:*
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

**SPECIMEN DESCRIPTION:**

| Specimen No. | Specimen Description | Location |
|---|---|---|
| 1 | Red plastic | Flip top/ divider (red style) |
| 2 | Orange plastic | Flip top/ divider (orange style) |
| 3 | Green plastic | Flip top/ divider (green style) |
| 4 | Blue plastic | Flip top/ divider (turquoise style) |
| 5 | Purple plastic | Flip top/ divider (purple style) |
| 6 | Black plastic (PP-co) | Lid (all styles) |
| 7 | Translucent plastic (PP-co) | Body (all styles) |
| 8 | Red plastic (PP-co) | Divider (red style) |
| 9 | Orange plastic (PP-co) | Divider (orange style) |
| 10 | Green plastic (PP-co) | Divider (green style) |
| 11 | Blue plastic (PP-co) | Divider (turquoise style) |
| 12 | Purple plastic (PP-co) | Divider (purple style) |
| 13 | Translucent soft plastic (Silicone) | Gasket (all styles) |
| 14 | Red soft plastic (TPR) | Stopper (red style) |
| 15 | Orange soft plastic (TPR) | Stopper (orange style) |
| 16 | Green soft plastic (TPR) | Stopper (green style) |
| 17 | Blue soft plastic (TPR) | Stopper (turquoise style) |
| 18 | Purple soft plastic (TPR) | Stopper (purple style) |

**SAMPLE PHOTO:**


-End Report-