

TEST REPORT

Test Report # 19H-006976 Date of Report Issue: September 26, 2019
Date of Sample Received: September 16, 2019 Pages: Page 1 of 13

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: 30 Oz. Rossmoor Stainless Steel Tumbler
Assortment: 7 colors Purchase Order Number: 317892
SKU No.: 5656 Agent: Brand New Days
Factory No.: 106782 Country of Origin: China
Country of Distribution: United States Labeled Age Grade: -
Quantity Submitted: 4 pcs per style Recommended Age Grade: -
Testing Period: 09/17/2019 – 09/26/2019 Tested Age Grade: -

OVERALL RESULT:

 **PASS**

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

QIMA Testing (HK) Limited



Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

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TEST RESULTS SUMMARY:

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

| CONCLUSION | TEST(S) CONDUCTED |
|------------|------------------------------------------------------------------------------------------|
| PASS | CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings |
| PASS | California Proposition 65, Total Lead in Paints and Surface Coatings |
| PASS | CPSIA Section 101, Total Lead in Substrate Materials |
| PASS | California Proposition 65, 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 | FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers |
| PASS | Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content |

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DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 1+2+3 | 4+5 | 11 | --- | --- | Total Limit (ppm) |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | 53 | ND | --- | --- | 90 |
| Conclusion | 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.

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DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 1+2+3 | 4+5 | 11 | --- | --- | Total Limit (ppm) |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | 53 | ND | --- | --- | 90 |
| Conclusion | 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.

Remark:

The specification is quoted from client's requirement.

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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. | 6+7 | 8 | 9 | 10 | --- | Total Limit (ppm) |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | ND | ND | ND | --- | 100 |
| Conclusion | 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.

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DETAILED RESULTS:

California Proposition 65, 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. | 6+7 | 8 | 9 | 10 | --- | Total Limit (ppm) |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Lead (Pb) | ND | ND | ND | ND | --- | 100 |
| Conclusion | 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.

Remark:

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DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: In-House Method[#]
 Analytical Method: Liquid Chromatography with Mass Spectrometry or
 Liquid Chromatography with Mass Spectrometry Mass Spectrometry

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

Note:

ppb (Parts per billion) = µg/kg (Micrograms per kilogram)

NA = Not applicable

LT = Less than

ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

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DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210[#]

| Specimen No. | | | 8 | --- | RL (ppm) | Limit (ppm) |
|----------------------------|----------------|---------------------|-----------------|-----------------|-------------|----------------|
| Test Item | Test Condition | | Result (ppm) | Result (ppm) | | |
| | Temp. | Duration | | | | |
| Distilled water extractive | Fill boiling | Until Cool to 100°F | ND | --- | 10 | 50 |
| Conclusion | | | PASS | --- | | |

Note:

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)

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.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

| Specimen No. | | | 6 | --- | | |
|-------------------------|--------|----------------------------------|--------|--------|-----|-----------|
| Test Item | Temp. | Duration | Result | Result | RL | Limit |
| Density (g/cc) | NA | NA | 0.903 | --- | NA | 0.85-1.00 |
| n-Hexane extractive (%) | 50°C | 2 hours | ND | --- | 0.4 | 5.5 |
| Xylene extractive (%) | Reflux | 2 hours or until total dissolved | 1.5 | --- | 1.0 | 30 |
| Conclusion | | | PASS | --- | | |

Note:

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% = 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.

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
 Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

| Specimen No. | | | 7 | RL | Limit |
|--------------------------------------------------|----------------|----------|--------|--------------|--------------|
| Test Simulant | Test Condition | | Result | | |
| | Temp. | Duration | | | |
| Distilled water extractive (mg/in ²) | 120°F | 2 hours | ND | 0.001 | 0.003 |
| 3% Acetic acid extractive (mg/in ²) | 120°F | 2 hours | ND | 0.001 | 0.003 |
| Conclusion | | | PASS | | |

Note:

Temp. = Temperature
 °F = Degree Fahrenheit
 mg/in² = Milligrams per square inch
 LT = Less than
 ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 181.32 (b) (3).

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DETAILED RESULTS:

Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: ASTM F963-17 Clause 8.3.1
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 1+2+3 | 4+5 | 6+7 | 8 | 10 | Limit (mg/kg) |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Lead (Pb) | ND | ND | ND | ND | ND | 90 |
| Conclusion | PASS | PASS | PASS | PASS | PASS | |

| Specimen No. | 11 | --- | --- | --- | --- | Limit (mg/kg) |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Lead (Pb) | ND | --- | --- | --- | --- | 90 |
| Conclusion | PASS | --- | --- | --- | --- | |

Note:
 mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)
 LT = Less than
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SPECIMEN DESCRIPTION:

| Specimen No. | Specimen Description | Location |
|--------------|-------------------------------------|------------------------------|
| 1 | Red coating | On outer wall (red style) |
| 2 | Purple coating | On outer wall (purple style) |
| 3 | White coating | On outer wall (white style) |
| 4 | Green coating | On outer wall (lime style) |
| 5 | Blue coating | On outer wall (blue style) |
| 6 | Black plastic (PP-co) | Inner wall (all styles) |
| 7 | Clear plastic (AS) | Lid/ slider (all styles) |
| 8 | Translucent soft plastic (Silicone) | Gasket (all styles) |
| 9 | Black foam with adhesive | Pad of bottom (all styles) |
| 10 | Silvery metal | Outer wall (all styles) |
| 11 | Orange coating | On outer wall (orange style) |

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SAMPLE PHOTO:



-End Report-

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