

## TEST REPORT

Test Report # 23W-001432 Date of Report Issue: March 7, 2023  
Date of Sample Received: February 13, 2023 Pages: Page 1 of 13

### CLIENT INFORMATION:

Company: Polyconcept GBS  
Recipient: Kathy Lu  
Recipient Email: kathy.lu@polyconceptgbs.com



### SAMPLE INFORMATION:

Description: Grill Master Set  
Article No.: 1400-32BK Purchase Order Number: 2012522  
Factory No.: 12419 Toy Co./Agency: -  
Vendor No.: 11342 Country of Origin: China  
Country of Distribution: Canada, United States Labeled Age Grade: -  
Quantity Submitted: 2 sets Requested Age Grade: -  
Testing Period: 02/17/2023-02/22/2023, 02/27/2023-03/03/2023 Tested Age Grade: -

### OVERALL RESULT:

**PASS**

Please refer to the following pages for test result summary and appropriate notes.

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## TEST RESULTS SUMMARY:

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

| CONCLUSION | TEST(S) CONDUCTED  |
|------------|--|
| PASS       | California Proposition 65, Total Lead in Substrate Materials                             |
| PASS       | Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content |
| PASS       | Client's requirement, Bisphenol A content  |
| PASS       | Client's Requirement, Phthalates content   |
| PASS       | FDA GRAS Specifications, Total Chromium in Stainless Steel Food Contact Utensils         |
| PASS       | FDA 21 CFR 177.1520, Polypropylene Homopolymers  |
| PASS       | 19 CFR 134.11, Country of Origin   |
| PASS       | Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin                      |



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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.      | 1              | 2              | 3+5+7          | 4              | 6              | 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             | <b>100</b>    |
| <b>Conclusion</b> | PASS           | PASS           | PASS           | PASS           | PASS           |               |

| Specimen No.      | 8+9+11         | 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             | ---            | ---            | ---            | <b>100</b>    |
| <b>Conclusion</b> | PASS           | PASS           | ---            | ---            | ---            |               |

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit =15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**Remark:**

The specification is quoted from client's requirement.



**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+5+7          | 4              | 6              | 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             | <b>90</b>     |
| <b>Conclusion</b> | PASS           | PASS           | PASS           | PASS           | PASS           |               |

| Specimen No.      | 8+9+11         | 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             | ---            | ---            | ---            | <b>90</b>     |
| <b>Conclusion</b> | PASS           | PASS           | ---            | ---            | ---            |               |

*Note:*  
 mg/kg=Milligrams per kilogram)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 15 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.



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**DETAILED RESULTS:**

**Client's requirement, Bisphenol A content**

Test Method: In-House Method  
 Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

| Specimen No.              | 3              | ---            | ---            | ---            | Client's limit (mg/kg) |
|---------------------------|----------------|----------------|----------------|----------------|------------------------|
| Test Item CAS No.         | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) |                        |
| Bisphenol A (BPA) 80-05-7 | ND             | ---            | ---            | ---            | <b>Not Detected</b>    |
| <b>Conclusion</b>         | PASS           | ---            | ---            | ---            |                        |

*Note:*  
 mg/kg=milligram per kilogram  
 ND=Not Detected(Reporting limit = 1.0mg/kg)



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

Test Method: CPSC-CH-C1001-09.4  
 Analytical Method: Gas Chromatography with Mass Spectrometry

| Specimen No.                        |                          | 3+5+7          | 6              | 10             | ---            | Limit (mg/kg) |
|-------------------------------------|--------------------------|----------------|----------------|----------------|----------------|---------------|
| Test Item                           | CAS No.                  | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) |               |
| Dibutyl phthalate (DBP)             | 84-74-2                  | ND             | 333            | ND             | ---            | 1000          |
| Benzyl butyl phthalate (BBP)        | 85-68-7                  | ND             | ND             | ND             | ---            | 1000          |
| Di-(2-ethylhexyl) phthalate (DEHP)  | 117-81-7                 | ND             | ND             | ND             | ---            | 1000          |
| Diisononyl phthalate (DINP)         | 28553-12-0<br>68515-48-0 | ND             | ND             | ND             | ---            | 1000          |
| Diisodecyl phthalate (DIDP)         | 26761-40-0<br>68515-49-1 | ND             | ND             | ND             | ---            | 1000          |
| Di-n-octyl phthalate (DnOP)         | 117-84-0                 | ND             | ND             | ND             | ---            | 1000          |
| Di-n-hexyl phthalate (DHEXP / DnHP) | 84-75-3                  | ND             | ND             | ND             | ---            | 1000          |
| Dicyclohexyl phthalate (DCHP)       | 84-61-7                  | ND             | ND             | ND             | ---            | 1000          |
| Diisobutyl phthalate (DIBP)         | 84-69-5                  | ND             | 281            | ND             | ---            | 1000          |
| Di-n-pentyl phthalate (DPENP)       | 131-18-0                 | ND             | ND             | ND             | ---            | 1000          |
| <b>Conclusion</b>                   |                          | PASS           | PASS           | PASS           | ---            |               |

**Note:**  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)



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**DETAILED RESULTS:**

**FDA GRAS Specifications, Total Chromium in Stainless Steel Food Contact Utensils**

Test Method: SN/T 2718-2010  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No.        | 1                 | ---               | ---               | ---               | ---               | Limit<br>(% m/m) |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item           | Result<br>(% m/m) | Result<br>(% m/m) | Result<br>(% m/m) | Result<br>(% m/m) | Result<br>(% m/m) |                  |
| Total Chromium (Cr) | 11.04             | ---               | ---               | ---               | ---               | <b>GT 10.5</b>   |
| <b>Conclusion</b>   | PASS              | ---               | ---               | ---               | ---               |                  |

*Note:*  
 % m/m = Percent by mass  
 GT = Greater than



**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

| Specimen No.                |                |          | 3      | RL  | Limit         |
|-----------------------------|----------------|----------|--------|-----|---------------|
| Test Item                   | Test Condition |          | Result |     |               |
|                             | Temp.          | Duration |        |     |               |
| Density (g/cc)              | NA             | NA       | 0.899  | NA  | 0.880 – 0.913 |
| Melting point (°C)          | NA             | NA       | 167    | NA  | 150 – 180     |
| n-Hexane extractive (% w/w) | Reflux         | 2 hours  | 0.6    | 0.1 | 6.4           |
| Xylene extractive (% w/w)   | Reflux         | 2 hours  | 1.9    | 0.5 | 9.8           |
| <b>Conclusion</b>           |                |          | 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) 1.1.





**DETAILED RESULTS:**

**19 CFR 134.11, Country of Origin**

| Test              | Observation  | Conclusion |
|-------------------|--|------------|
| Country of Origin | Present on packaging and can be read easily by consumer at the point of sale | PASS       |

**Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin**

| Section | Requirement                | Conclusion |
|---------|----------------------------|------------|
| 2       | Country of Origin Markings | PASS       |



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**SPECIMEN DESCRIPTION:**

| Specimen No. | Specimen Description            | Location  |
|--------------|---------------------------------|---|
| 1            | Silvery metal                   | Tong/shovel/big fork/knife/skewer/corn fork   |
| 2            | Silvery metal                   | Handle of tong/shovel/big fork/knife/skewer/corn fork& wrap angle/buckle/hinge/center fastener of box |
| 3            | Black plastic                   | Handle of tong/shovel/big fork/knife/skewer/corn fork   |
| 4            | Silvery metal                   | Frame/rivet of box  |
| 5            | Silvery plated offwhite plastic | Handle/handle connective base of box  |
| 6            | Brown wood with black plastic   | Box   |
| 7            | Black plastic                   | Velcro hook   |
| 8            | Black textile                   | Velcro loop   |
| 9            | Black textile                   | Elastic   |
| 10           | Black soft plastic              | Elastic   |
| 11           | Black non-woven textile         | Box lining  |



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**SAMPLE PHOTO:**



-End Report-



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