

TEST REPORT

Test Report # 23W-009916(A1) Date of Report Issue: August 1, 2023
Date of Sample Received: July 11, 2023 Pages: Page 1 of 7

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: Thor Copper Vacuum Insulated Tumbler 22oz / Copper Vacuum Insulated Bottle 17oz / Valhalla Copper Vacuum Insulated Tumbler 16oz
Article No.: 1626-50WH/NY Purchase Order Number: 2013544/2030003/
1624-74SL/RD/NY 2022041/2026369
1625-69BK/WH
Factory No.: 11054 Toy Co./Agency: -
Vendor No.: 10583 Country of Origin: China
Country of Distribution: Canada, United States Labeled Age Grade: -
Quantity Submitted: 8 pcs per style Requested Age Grade: -
Testing Period: 07/25/2023-08/01/2023 Tested Age Grade: -

OVERALL RESULT:

INFORMATION ONLY

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

QIMA (HANGZHOU) TESTING CO., LTD.

Ada Guo

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Assist Physical Laboratory Manager



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Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule

<https://www.qima.com/conditions-of-service#decisionRule>.

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
Information only	Client-Performance Requirements-Cold Retention Test
Information only	Client-Performance Requirements-Heat Retention Test



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DETAILED RESULTS:

Client-Performance Requirements-Cold Retention Test

Test Method: The products were conditioned at 72°F for 1 minutes. The products were then filled with ice cube as much as the container can fit in. Fill the product to its normal capacity of 60 °F water, insert thermocouple, and the lid was screwed hand-tight. The temperature was measured in °F at every 1 minutes until the temperature reaches 40°F, the amount of time to change from 32°F to 40°F was recorded in Table 1.

Specimen	Style
	Copper Vacuum Insulated Bottle 17oz
Silver style	39h51mins
Red style	24h04mins
Blue style	32h13mins

Table 1



DETAILED RESULTS:



Graph 1 - Cold Retention of Copper Vacuum Insulated Bottle 17oz



DETAILED RESULTS:

Client-Performance Requirements-Heat Retention Test

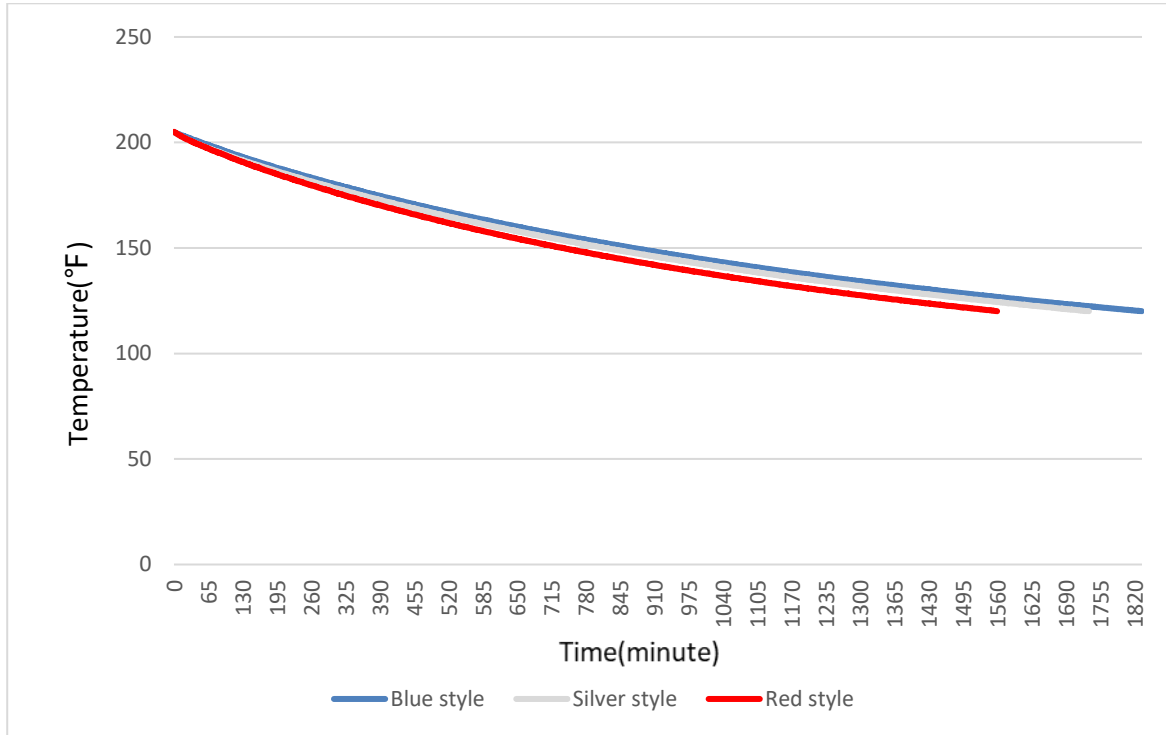
Test Method: Pour boiling water into the container (to a height of approximately 1 inch under the rim). Temperature measurement was then taken and the lid screwed on hand-tight. The temperature is measured in °F at every 1 minute until the temperature reaches 120°F, the amount of time to drop from the initial temperature to 120°F was recorded in Table 2.

Specimen	Style
	Copper Vacuum Insulated Bottle 17oz
Silver style	28h53mins
Red style	25h59mins
Blue style	30h33mins

Table 2



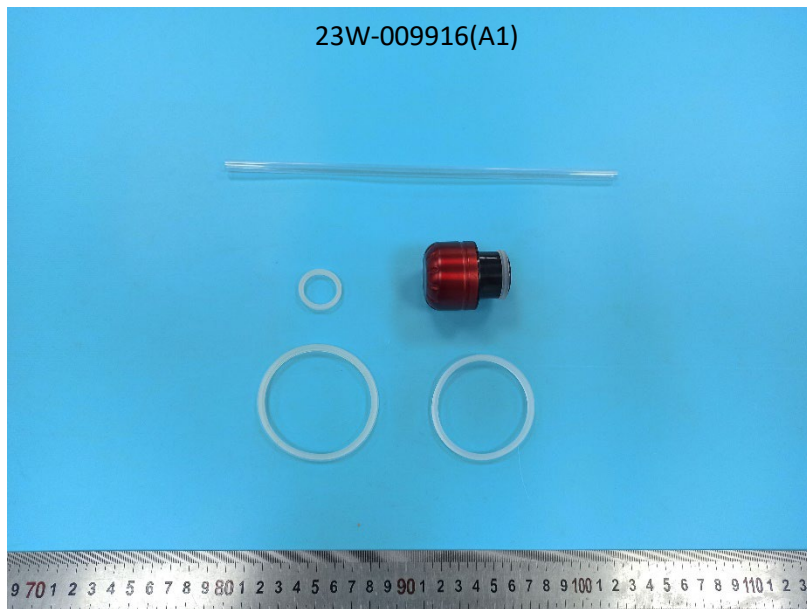
DETAILED RESULTS:



Graph 2 - Heat Retention of Copper Vacuum Insulated Bottle 17oz



SAMPLE PHOTO:



-End Report-

