

2810 Clark Avenue • St. Louis, MO 63103-2574 • (314) 531-8080 • FAX (314) 531-8085
 Chemical, Metallurgical, Mechanical, Nondestructive, Environmental Testing, Analyses and Field Service.

MERMET USA
 5970 N. Main Street
 Cowpens, SC 29330

December 10, 2018
 Lab No. 18C-1866
 P.O. No. 8041
 Invoice No. 250641
 Page 1 of 1

Attention: Nathan Wintermute

REPORT OF INSPECTION

MATERIAL: Verona Twilight
SUBJECT: Analyses for RoHS Compliance
REGULATION: RoHS 2006, Directive 2008/35/EC, RoHS3 Directive 2015/863
METHODS:

Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES), Colorimetric,
 X-Ray Fluorescence Spectroscopy (XRF), Gas Chromatography – Mass Spectrometry (GC/MS)

RESULTS:

The Verona Twilight contained a high concentration of bromine. This could suggest that regulated bromine compounds are present in elevated levels. Further testing on the sample would be required to determine if the detected bromine is in the form of regulated PBDE and PBB flame retardants.

The details of the analysis are presented in the following table.

| Compound | Verona Twilight (%) | METHOD DETECTION LIMIT (%) |
|---------------------|---------------------|----------------------------|
| Hexavalent Chromium | <0.05 | 0.05 |
| Cadmium | <0.01 | 0.01 |
| Mercury | <0.05 | 0.05 |
| Lead | <0.05 | 0.05 |
| Bromine | 10.12 | --- |



Testing Cert. No. 0397-01
 Testing Cert. No. 0397-02

Jacob W. Long, Manager
 Chemical Testing

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MERMET USA
 5970 North Main Street
 Cowpens, SC 29330

January 10, 2019
 Lab No. 18E2343
 Invoice No. 251663
 P.O. No. PO-00008128-1
 Page 1 of 1
 (Revised Report 4/10/19)

Attention: Nathan Wintermute

REPORT OF ANALYSIS

MATERIAL: Verona Twilight
SUBJECT: PBB and PBDE Analysis
REGULATION: RoHS 2006, Directive 2008/35/EC; RoHS3 Directive 2015/863 (respect to analyzed parameters)
METHODS: Chromatography – Mass Spectrometry (GC/MS)
UNITS: Percent by Weight (%)

RESULTS:

The analysis indicates that the above-referenced sample material is in compliance with the requirements of the RoHS Regulations (RoHS 2006, Directive 2008/35/EC, RoHS2 Directive 2011/65/EU) with respect to the analyzed parameters. The details of the analysis are presented in the following table.

| Compound | Results | Method Detection Limit | Maximum Allowable Limit |
|--|----------|------------------------|-------------------------|
| Total Polybrominated Biphenyl (PBB) | < 0.030% | 0.030% | 0.1% |
| Total Polybrominated Diphenyl Ether (PBDE) | < 0.032% | 0.032% | 0.1% |

SR/ck

Steve Root, Manager
 Environmental Testing



Certificate No. 0397-01
 Certificate No. 0397-02

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