SHERWIN
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March 28, 2018

# CERTIFICATION

We hereby certify that samples of the material identified below by batch number, have been analyzed in accordance with test methods that meet and/or exceed the detection limits for fluoride, chloride, and sulfur per ASME Boiler and Pressure Vessel Code, Section V, Article 6, paragraph T-641, 1998 - 2017 Editions and addenda, with the following results:

| | | FLUORIDE ASTM E165 ANNEX A4 | CHLORIDE ASTM E165 ANNEX A4 | SULFUR ASTM E165 ANNEX A4 |
|---|---|---|---|---|
| **DUBL-CHEK** | **DP-51** | **<0.0001%BW** | **<0.0001%BW** | **<0.0001%BW** |
| **BATCH NO.** | **826-C47** | | | |

We further certify that this material meets or exceeds the requirements of AMS 2644, MIL-I-25135, Revision E and ASTM E1417.

Copies of the certification and laboratory reports are on file in our office for your inspection.

**SHERWIN INCORPORATED**

**Q.C. Laboratory**

Revision: August 2001



DUBL-CHEK PENETRANT PROCESS

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# CERTIFICATE OF CONFORMANCE

Date: March 28, 2018

Product: DP-51

Batch No.: 826-C47

Type: II Methods: A and C

It is hereby certified that this material has been tested in accordance with AMS 2644. Results of the required quality conformance tests, as stipulated by paragraph 4.3.2, are listed below.

| Test Method Paragraph | Test Description | Results |
|---|---|---|
| 3.3.3 | Flash point i.a.w. ASTM D93 | 230°F |
| 3.3.4 | Viscosity i.a.w. ASTM D445 at 100 ± 1°F | 5.53 cStS |
| 3.3.8.5 | Water tolerance (Method A only) | 15.3% |
| 3.3.8.6 | Removability | Conforms |
| --- | Fluoride content i.a.w. ASTM E165, Annex 4 | <0.0001%BW |
| --- | Chloride content i.a.w. ASTM E165, Annex 4 | <0.0001%BW |
| --- | Sulfur content i.a.w. ASTM E165, Annex 4 | <0.0001%BW |

It is further certified that this material is listed or approved for listing on QPL-AMS-2644. It also meets the requirements of MIL-I-25135E, ASTM E1417, and MIL-STD-6866.

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Q.C. Laboratory

Revision: January 2000



DUBL-CHEK PENETRANT PROCESS