

October 22, 2015

**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 ASM Boiler and Pressure Vessel Code, Section V, Article 6, paragraph T-641, 1998 - 2013 Editions and addenda, with the following results:

	<b>FLUORIDE</b> <b>ASTM E165</b> <b><u>ANNEX A4</u></b>	<b>CHLORIDE</b> <b>ASTM E165</b> <b><u>ANNEX A4</u></b>	<b>SULFUR</b> <b>ASTM E165</b> <b><u>ANNEX A4</u></b>
<b>DUBL-CHEK DP-51</b>	<b>&lt;0.0002 % BW</b>	<b>&lt;0.0044 % BW</b>	<b>&lt;0.0027 % BW</b>
<b>BATCH NO. 511-J47</b>			

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**  
**George Murphy**  
**QC Chemist**

Revision: August 2001

## CERTIFICATE OF CONFORMANCE

Date: October 22, 2015

Product: DP-51

Batch No.: 511-J47

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.

<u>Test Method Paragraph</u>	<u>Test Description</u>	<u>Results</u>
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	5.22 cStS
3.3.8.5	Water tolerance (Method A only)	23.1 %
3.3.8.6	Removability	Conforms
---	Fluoride content i.a.w. ASTM E165, Annex 4	<0.0002%BW
---	Chloride content i.a.w. ASTM E165, Annex 4	<0.0044%BW
---	Sulfur content i.a.w. ASTM E165, Annex 4	<0.0027%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.

SHERWIN INCORPORATED

George Murphy  
QC Chemist

Revision: January 2000