

March 1, 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 <u>ANNEX A4</u>	CHLORIDE ASTM E165 <u>ANNEX A4</u>	SULFUR ASTM E165 <u>ANNEX A4</u>
DUBL-CHEK I-319	<0.0004% BW	<0.0188% BW	<0.0080% BW
BATCH NO. 81-C66			

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

Emad Assar
R&D Chemist

Revision: August 2001

CERTIFICATE OF CONFORMANCE

Date: March 1, 2018

Product: I-319

Batch No.: 81-C66

It is hereby certified that this material has been tested in accordance with AMS 2644D. 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	N/A
3.3.4	Viscosity i.a.w. ASTM D445 at 100 ± 1°F	13.40 cSt
3.3.8.3.2	Fluorescent brightness i.a.w. ASTM E1135 (Type I only)	120.0%
3.3.8.6	Removability	Conforms
---	Fluoride content i.a.w. ASTM E165, Annex 4	<0.0004 %BW
---	Chloride content i.a.w. ASTM E165, Annex 4	<0.0188%BW
---	Sulfur content i.a.w. ASTM E165, Annex 4	<0.0080%BW

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Emad Assar
R&D Chemist

Revision: January 2000