

March 6, 2020

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 - 2019 Editions and addenda, with the following results:

		FLUORIDE	CHLORIDE	SULFUR
		ASTM E165	ASTM E165	ASTM E165
		<u>ANNEX A4</u>	<u>ANNEX A4</u>	<u>ANNEX A4</u>
DUBL-CHEK	HM-440.NY	<0.0001% BW	<0.0001% BW	<0.0001% BW
BATCH NO.	04-C51			

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

SHERWIN INCORPORATED
Q.C. Laboratory

CERTIFICATE OF CONFORMANCE

Date: March 6, 2020

Product: HM-440.NY

Batch No.: 04-C51

Type: I Methods: A and C

It is hereby certified that this material has been manufactured 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	10.79 cSts
3.3.8.3.2	Fluorescent brightness i.a.w. ASTM E1135 (Type I only)	104.4%
3.3.8.5	Water tolerance	16.7%
3.3.8.6	Removability	Conforms
3.3.8.7	Water Content	0.16%
---	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

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QC Laboratory