

February 21, 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 4</u>	CHLORIDE ASTM E165 <u>ANNEX 4</u>	SULFUR ASTM E165 <u>ANNEX 4</u>
DUBL-CHEK BATCH NO.	GW1-MPF 821-B63	<0.0001%BW	<0.0001%BW	<0.0001%BW

We further certify that this material meets or exceeds the requirements of ASTM E1444, MIL-I-6868E, DOD-F87935, ASTM E709, AMS 2641, and AMS 3045.

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 2000

CERTIFICATE OF CONFORMANCE

Date: February 21, 2018

Product: GW1-MPF
Batch No.: 821-B63

It is hereby certified that this material has been manufactured in accordance with, and conforms to ASTM E1444, MIL-STD-1949, and AMS 3044. Results of the required quality conformance tests are listed below.

<u>Test Description</u>	<u>Results</u>
Contamination, i.a.w AMS 3045	None
Concentration, i.a.w AMS 3045	0.20 ml
Sensitivity, i.a.w AMS 3045	Conforms
Particles:	
Particle color	Fluorescent yellow-green
Particle size, i.a.w AMS 3044, #325 sieve	>98% passing
Suspension Fluid:	
Flash Point, i.a.w ASTM D-93	>200°F

It is further certified that this material meets the requirements of ASME B&PV Code Section V and ASTM E709.

SHERWIN INCORPORATED

Emad Assar
R&D Chemist

Revision: January 2000