SHERWIN
INCORPORATED
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October 4, 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 4	CHLORIDE ASTM E165 ANNEX 4	SULFUR ASTM E165 ANNEX 4
DUBL-CHEK BATCH NO.	**Black Oxide 818-Y42**	**<0.0001%BW**	**<0.0001%BW**	**<0.0001%BW**

We further certify that this material meets or exceeds the requirements of A.E.C.L., MIL-STD-1949, ASTM E1444, MIL-I-6868E, ASTM E709, AMS 3041 for MPF suspension, AMS 3042 for dry powder, and for aerosols AMS 3043.

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

SHERWIN INCORPORATED

Cesar Guntilla

Q.C. Laboratory

Revision: August 2000

DUBL-CHEK PENETRANT PROCESS

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CERTIFICATE OF CONFORMANCE

Date: January 31, 2017

Product: Black Oxide

Batch No.: 82-H42

It is hereby certified that this material has been manufactured in accordance with, and conforms to ASTM E1444, MIL-STD-1949, and AMS 3041for MPF suspension, AMS 3042 for dry powder, and AMS 3043 for aerosols. Results of the required quality conformance tests are listed below.

Test Description	Results
Contamination, i.a.w AMS 3041, 3042, 3043	None
Concentration, i.a.w AMS 3041, 3042, 3043	1.9 mls
Sensitivity, i.a.w AMS 3041 and AMS 3043	Conforms
Particles:	
Particle color	Black
Particle size, i.a.w AMS 3042, #325 sieve	>98% passing

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

SHERWIN INCORPORATED

Cesar Quintanilla
Q.C. Laboratory

Revision: January 2000

DUBL-CHEK PENETRANT PROCESS