

Date: February 18, 2022

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 - 2021 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	BLACK-OXIDE	<0.0001 % BW	<0.0001 % BW	<0.0001 % BW
BATCH NO.	215-B42			

We further certify that this material meets or exceeds the requirements of AMS2644H, 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
Q.C. Laboratory

CERTIFICATE OF CONFORMANCE

February 18, 2022

Product: Black Oxide

Batch No.: 215-B42

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

<u>Test Description</u>	<u>Results</u>
Contamination, i.a.w AMS 3041, 3042, 3043	None
Concentration, i.a.w AMS 3041, 3042, 3043	1.8 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


Q.C. Laboratory

Revision: January 2000