

TEST CERTIFICATE

Chemical Composition Prepared according to EN 10204 3.1
Mechanical Properties Prepared according to EN 10204 2.2

Certificate No 528927	Date 04.05.2020	Dispatch No 20200005665
Customer ALUNOX SCHWEISSTECHNIK GMBH		
Product Name MG 3	Approvals DB, DNV-GL, TUV	
Standards AWS/ASME SFA - 5.18 ER70S-6, EN ISO 14341 - A G 46 4 C1 G 4Si1, EN ISO 14341 - A G 46 4 M21 G 4Si1, TS EN ISO 14341 - A G 46 4 C1 G 4Si1, TS EN ISO 14341 - A G 46 4 M21 G 4Si1		

Solid Wire/Chemical Analysis(%)

Lot No	Diameter (mm)	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Ti	Al	Zr
27010708	1.00	0,077	0,878	1,601	0,008	0,011	0,048	0,02	0,004	0,069	0,007	0,002	0,006	0,011
27010708	1.20	0,077	0,878	1,601	0,008	0,011	0,048	0,02	0,004	0,069	0,007	0,002	0,006	0,011
27010709	1.20	0,081	0,882	1,621	0,009	0,011	0,028	0,015	0,005	0,066	0,007	0,002	0,007	0,011
27010710	1.20	0,078	0,879	1,6	0,005	0,012	0,031	0,015	0,004	0,066	0,007	0,001	0,006	0,011
27749310	1.20	0,068	0,982	1,667	0,003	0,015	0,023	0,032	0,014	0,082	0,007	0,011	0,006	0,011
27749330	1.20	0,069	1,016	1,641	0,003	0,015	0,024	0,037	0,012	0,081	0,007	0,011	0,007	0,012
27749350	0.80	0,072	0,978	1,668	0,003	0,014	0,027	0,033	0,011	0,077	0,007	0,01	0,006	0,011
27749350	1.00	0,072	0,978	1,668	0,003	0,014	0,027	0,033	0,011	0,077	0,007	0,01	0,006	0,011

All-Weld-Metal Mechanical Properties - (Gas C1)

Lot No	Diameter(mm)	Quantity(kg)	Tensile Strength	Yield Strength	Elongation(%)	Impact Energy(J)(-40)
27010708	1.00	1080	570	480	28	55
27010708	1.20	3240	570	480	28	55
27010709	1.20	3240	570	480	28	55
27010710	1.20	4320	570	480	28	55
27749310	1.20	3240	570	480	28	55
27749330	1.20	3240	570	480	28	55
27749350	0.80	1080	570	480	28	55
27749350	1.00	2000	570	480	28	55

We hereby certify that the product described above "complies with the term of the order" and "comforms with the related international standards."

Certification Services



TEST CERTIFICATE

Chemical Composition Prepared according to EN 10204 3.1
Mechanical Properties Prepared according to EN 10204 2.2

Certificate No 529850	Date 27.05.2020	Dispatch No 20200006750
Customer ALUNOX SCHWEISSTECHNIK GMBH		
Product Name MG 3	Approvals DB, DNV-GL, TUV	
Standards AWS/ASME SFA - 5.18 ER70S-6, EN ISO 14341 - A G 46 4 C1 G 4Si1, EN ISO 14341 - A G 46 4 M21 G 4Si1, TS EN ISO 14341 - A G 46 4 C1 G 4Si1, TS EN ISO 14341 - A G 46 4 M21 G 4Si1		

Solid Wire/Chemical Analysis(%)

Lot No	Diameter (mm)	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Ti	Al	Zr
27010708	1.00	0,077	0,878	1,601	0,008	0,011	0,048	0,02	0,004	0,069	0,007	0,002	0,006	0,011
27010709	1.00	0,081	0,882	1,621	0,009	0,011	0,028	0,015	0,005	0,066	0,007	0,002	0,007	0,011
27010710	1.00	0,078	0,879	1,6	0,005	0,012	0,031	0,015	0,004	0,066	0,007	0,001	0,006	0,011

All-Weld-Metal Mechanical Properties - (Gas C1)

Lot No	Diameter(mm)	Quantity(kg)	Tensile Strength	Yield Strength	Elongation(%)	Impact Energy(J)(-40)
27010708	1.00	4320	570	480	28	55
27010709	1.00	1080	570	480	28	55
27010710	1.00	5400	570	480	28	55

We hereby certify that the product described above "complies with the term of the order" and "comforms with the related international standards."

Certification Services

