

TEST CERTIFICATE

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

Certificate No 517804	Date 17.09.2019	Dispatch No 33612
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
24115942	1.20	0,074	0,935	1,659	0,01	0,011	0,025	0,032	0,005	0,095	0,007	0,002	0,006	0,008
24220531	1.20	0,065	0,847	1,653	0,007	0,012	0,023	0,04	0,004	0,114	0,006	0,001	0,006	0,008
24332990	1.20	0,073	1,004	1,639	0,009	0,012	0,024	0,026	0,004	0,087	0,007	0,002	0,008	0,009
27941021	0.80	0,08	0,976	1,637	0,005	0,015	0,027	0,03	0,01	0,098	0,007	0,01	0,006	0,01

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

Lot No	Diameter(mm)	Quantity(kg)	Tensile Strength	Yield Strength	Elongation(%)	Impact Energy(J)(-40)
24115942	1.20	1080	570	480	28	55
24220531	1.20	2160	570	480	28	55
24332990	1.20	8640	570	480	28	55
27941021	0.80	2160	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

**MAGMAWELD ULUSLARARASI TİCARET A.Ş.**

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Export: Organize Sanayi Bölgesi 2. Kısım 45030, Manisa, Türkiye | info@magmaweld.com

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

Certificate No 519431	Date 23.10.2019	Dispatch No 35603
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
27941019	1.20	0,076	0,941	1,662	0,006	0,016	0,031	0,034	0,01	0,097	0,007	0,011	0,005	0,01
27941020	1.20	0,074	0,953	1,667	0,006	0,016	0,027	0,033	0,009	0,104	0,007	0,01	0,005	0,01
27941021	1.20	0,077	0,963	1,653	0,005	0,016	0,027	0,031	0,009	0,099	0,007	0,01	0,005	0,01
27941022	1.20	0,076	0,924	1,658	0,006	0,017	0,029	0,029	0,009	0,087	0,006	0,011	0,004	0,01

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

Lot No	Diameter(mm)	Quantity(kg)	Tensile Strength	Yield Strength	Elongation(%)	Impact Energy(J)(-40)
27941019	1.20	5400	570	480	28	55
27941020	1.20	3240	570	480	28	55
27941021	1.20	5400	570	480	28	55
27941022	1.20	3240	570	480	28	55

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Mechanical Properties Prepared according to EN 10204 2.2

Certificate No 520659	Date 14.10.2019	Dispatch No 35133
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
24220531	1.20	0,065	0,847	1,653	0,007	0,012	0,023	0,04	0,004	0,114	0,006	0,001	0,006	0,008
27941018	1.20	0,077	0,964	1,634	0,006	0,014	0,031	0,035	0,01	0,089	0,007	0,012	0,006	0,01
27941019	1.20	0,076	0,941	1,662	0,006	0,016	0,031	0,034	0,01	0,097	0,007	0,011	0,005	0,01
27941020	1.00	0,074	0,953	1,667	0,006	0,016	0,027	0,033	0,009	0,104	0,007	0,01	0,005	0,01
27941020	1.20	0,074	0,953	1,667	0,006	0,016	0,027	0,033	0,009	0,104	0,007	0,01	0,005	0,01
27941021	1.00	0,077	0,963	1,653	0,005	0,016	0,027	0,031	0,009	0,099	0,007	0,01	0,005	0,01

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

Lot No	Diameter(mm)	Quantity(kg)	Tensile Strength	Yield Strength	Elongation(%)	Impact Energy(J)(-40)
24220531	1.20	3240	570	480	28	55
27941018	1.20	2160	570	480	28	55
27941019	1.20	8640	570	480	28	55
27941020	1.00	2160	570	480	28	55
27941020	1.20	2160	570	480	28	55
27941021	1.00	1080	570	480	28	55

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