

TEST CERTIFICATE

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

Certificate No 536003	Date 20.10.2020	Dispatch No 2020000006767
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
27041100	1.00	0,078	0,885	1,656	0,006	0,016	0,027	0,009	0,004	0,062	0,007	0,01	0,006	0,007
27041101	1.00	0,071	0,919	1,651	0,006	0,016	0,027	0,006	0,003	0,062	0,007	0,01	0,005	0,006
27041102	1.00	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011

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

Production No	Diameter(mm)	Quantity(kg)	Tensile Strength (N/mm2)	Yield Strength (N/mm2)	Elongation(%)	Impact Energy(J)(-40)
27041100	1.00	1080	540	470	29	55
27041101	1.00	6480	540	470	29	55
27041102	1.00	5400	540	470	29	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



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

Certificate No 536297	Date 26.10.2020	Dispatch No 202000007193
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
27041100	1.00	0,078	0,885	1,656	0,006	0,016	0,027	0,009	0,004	0,062	0,007	0,01	0,006	0,007
27041100	1.20	0,078	0,885	1,656	0,006	0,016	0,027	0,009	0,004	0,062	0,007	0,01	0,006	0,007
27041101	1.00	0,071	0,919	1,651	0,006	0,016	0,027	0,006	0,003	0,062	0,007	0,01	0,005	0,006
27041102	1.00	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011
27041102	1.20	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011

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

Production No	Diameter(mm)	Quantity(kg)	Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation(%)	Impact Energy(J)(-40)
27041100	1.00	1080	540	470	29	55
27041100	1.20	1080	540	470	29	55
27041101	1.00	6480	540	470	29	55
27041102	1.00	5400	540	470	29	55
27041102	1.20	1080	540	470	29	55

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Certification Services



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

Certificate No 536317	Date 26.10.2020	Dispatch No 202000007191
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
27041100	1.20	0,078	0,885	1,656	0,006	0,016	0,027	0,009	0,004	0,062	0,007	0,01	0,006	0,007
27041101	1.20	0,071	0,919	1,651	0,006	0,016	0,027	0,006	0,003	0,062	0,007	0,01	0,005	0,006
27041102	0.80	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011
27041102	1.00	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011
27041102	1.20	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011
27041102	1.20	0,066	0,907	1,68	0,005	0,016	0,026	0,007	0,004	0,063	0,007	0,01	0,006	0,011

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

Production No	Diameter(mm)	Quantity(kg)	Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation(%)	Impact Energy(J)(-40)
27041100	1.20	2160	540	470	29	55
27041101	1.20	3240	540	470	29	55
27041102	0.80	1080	540	470	29	55
27041102	1.00	2160	540	470	29	55
27041102	1.20	2160	540	470	29	55
27041102	1.20	1080	540	470	29	55

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