

**TEST CERTIFICATE**

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

<b>Certificate No</b> 549652	<b>Date</b> 29.06.2021	<b>Dispatch No</b> 2021000011408
<b>Customer</b> ALUNOX SCHWEISSTECHNIK GMBH		<b>Lot Class</b>
<b>Product Name</b> MG 2	<b>Approvals</b> ABS, CWB, DB, DNV-GL, HAKC, HAKC(1.00mm), HAKC(1.20mm), HAKC(1.60mm), RINA, TL, TUV	
<b>Standards</b> AWS/ASME SFA - 5.18 ER70S-6, EN ISO 14341 - A G 42 3 C1 G 3Si1, EN ISO 14341 - A G 42 4 M21 G 3Si1, TS EN ISO 14341 - A G 42 3 C1 G 3Si1, TS EN ISO 14341 - A G 42 4 M21 G 3Si1		

**Solid Wire Chemical Analysis(%)**

Lot Num	Diameter (mm)	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Ti	Al	Zr
23032236	0.80	0,067	0,861	1,491	0,001	0,011	0,025	0,013	0,003	0,072	0,007	0,002	0,008	0,005
23032495	0.80	0,065	0,817	1,467	0,001	0,013	0,036	0,023	0,005	0,091	0,007	0,002	0,006	0,005
23042590	0.80	0,061	0,864	1,486	0,001	0,012	0,029	0,018	0,004	0,089	0,007	0,002	0,008	0,005
24333013	1.20	0,067	0,875	1,448	0,005	0,013	0,025	0,021	0,001	0,072	0,007	0,002	0,01	0,005

**All-Weld-Metal Mechanical Properties - (Gas M21)**

Production Number	Diameter(mm)	Quantity(kg)	Tensile Strength (N/mm2)	Yield Strength (N/mm2)	Elongation(%)	Impact Energy(J)(-40)
23032236	0.80	1080	560	460	27	75
23032495	0.80	1080	560	460	27	75
23042590	0.80	1000	560	460	27	75
24333013	1.20	1080	560	460	27	75

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

Certification Services

