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TOLAS UAB

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Inspection certificate 3.1

as per : EN 10204
No. : 2025-2031023191-40-2164022-014

PO no.	E-Mail	of	04.02.2025
Order no.	1031020335		
Delivery note/pos./split	2031023191/000000/000040	of	06.02.2025

Product	covered electrode
Trade name	**BÖHLER Q E 7018**
Standard designation	EN ISO 2560-A: E 42 4 B 4 2 H5 AWS A5.1 / SFA-5.1: E7018-H4R

Dimension	2,5 x 350 mm	1273331
Serial no.	2164022	11526
Quantity	213,2 KG	2U83050E 0025

Chemical composition in % of the weld metal

C	Si	Mn	P	S	Cr	Mo	Ni	V	Cu	Nb				
0,05	0,49	1,10	0,012	0,007	< 0,1	< 0,1	< 0,1	< 0,01	< 0,1	< 0,01				

Mechanical properties **EN 10204: 2.2**

Tensile test — according to : EN ISO 6892-1
Specimen preparation — according to : EN ISO 5178

T	ReL / Rp 0,2 MPa	Rp 1,0 MPa	Rm MPa	A (Lo = 5d) %	Z %	WBH PWHT	Remarks
20°C	≥ 400		540 - 640	≥ 20			

Impact test — according to : EN ISO 148-1
Specimen preparation — according to : EN ISO 9016 VWT 0/b

T	Impact energy KV / J	Average KV / J	Lateral expansion mm	Shear fracture %	WBH PWHT	Remarks
-40°C	≥ 47					
20°C	≥ 110					

The product BÖHLER Q E 7018 meets the requirements of the filler metal specification ASME sec II, part C, AWS A5.1 / SFA-5.1: E7018-H4R when tested in accordance with that specification. Produced according to AWS A5.01, class C1

Town: Kapfenberg
Date: 12.02.2025

This certificate was issued by DP-equipment and does not require signature.

Authorized representative
Kahofer

voestalpine
ONE STEP AHEAD.