

Welder's Qualification Test Certificate

Certificate No. 25-357698-PL

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3 Designation(s): **ISO 9606-1 141 T BW/FW FM5 S s12 D48.3 PH-L045 ss gb**
ISO 9606-1 141 T BW/FW FM5 S s1 D48.3 PH-L045 ss gb

4 WPS-Reference: WPS 221BW/ WPS222FW Examining body: TÜV Thüringen Polska
5 Examiner: Karol Dubas

6 Welder's name: **Marcin POLAK**

7 Method of identification: PESEL 87013015014 Photograph (if required)
8 Date and place of birth: 1987-01-30, Mielec
9 Employer:
10 Code / testing standard: PN-EN ISO 9606-1:2017, AD2000-HP3

11 Supplementary fillet weld test: Yes (completed in conjunction with a butt weld qualification)
12 Job knowledge: Acceptable

13	Test piece	Range of qualification	
14 Welding process(es);	141 TIG (GTAW)	141 TIG (GTAW)	141, 142, 143, 145
15 Transfer mode	-	-	-----
16 Product type (plate or pipe)	T Pipe/Tube	T Pipe/Tube	P, T, Pipe branch ≥60°
17 Type of weld	BW Butt weld	BW Butt weld	BW, FW
18 Parent material group(s)	8.1	8.1	1 to 11; 142 only 8.1
19 Filler material group(s)	FM5	FM5	FM5, nm
20 Filler material typ(s)	S	S	S, M, nm
21 Shielding gas / flux	EN ISO 14175-11	EN ISO 14175-11	-----
22 Auxiliaries	-	-	-----
23 Type of current and polarity	DCEN (= -)	DCEN (= -)	-----
24 Material thickness t (mm)	-	-	FW: ≥ 1.00
25 Deposited thickness s (mm)	12.00 ≥ 3 Layers	1.00 1 Layer	≥ 1.00
26 Outside pipe diameter (mm)	48.30	48.30	≥ 25.00
27 Welding position(s)	PH-L045	PH-L045	All except PG
28 Weld details	ss gb	ss gb	ss mb, bs, ss gb
29 Multi layer / single layer	FW: sl	FW: sl	FW: sl, ml

30 Additional information: -----
Parent metal: X5CrNiMo17-12-2 (1.4401). Filler: ISO 14343-A W 19 12 3 LSi (ER 316LSi).
The requirements of the Pressure Equipment Directive 2014/68/EU approval of personnel Annex I, 3.1.2 are fulfilled.

31 Type of tests	Performed and accepted	Not tested
32 Visual testing	X	-
33 Radiographic testing	X (BW)	-
34 Fracture test	X	-
35 Bend test	-	X
36 Notch tensile test	-	X
37 Macroscopic examination	-	X
38 Additional tests	-	X

Przemysław Zmitrowicz
Notified Body 0090 for Pressure Equipment

Place, date: Katowice, 2025-10-01
Revalidation method: 9.3 a
Date of welding: 2025-09-16
Validity until: 2028-09-15

40 Revalidation for qualification by examiner or examining body for the following 2 years

Confirmation of the validity by welding coordinator / examiner or examining body for the following 6 months

41 Date	Signature	Position or title
N/A		

Date	Signature	Position or title
BW: 2026-03- FW: 2026-03-		
BW: 2026-09- FW: 2026-09-		
BW: 2027-03- FW: 2027-03-		
BW: 2027-09- FW: 2027-09-		
BW: 2028-03- FW: 2028-03-		