



Welder Approval Test Certificate

1
2 Designation: **EN ISO 9606-1 111 P BW FM1 B s12 PC bs**

3
4 Manufacturer's WPS: WPS240301

5 Reference No.: 7482499595 Certificate no.: 0036/SHA/ 7482499595-01

6 Welder's name: **Mr. Zhang Hao 张浩**

7 Identification: 522221197806183239

8 Method of identification: ID card

9 Date and place of birth: 1978-06-18 / Tongren City, Guizhou Province, P. R. China.

10 Employer: Wenzhou Tianyu Valve Technology Co., Ltd.

11 Code / testing standard: EN ISO 9606-1: 2017

Remark: --

12 Job knowledge: acceptable/(not tested):



	Weld test details	Range of approval
14 Welding process(es)	111 Met.arc weld.with cov.electr.	111
15 Transfer mode	--	--
16 Product type (plate/tube)	P (Plate)	P, T
17 Type of weld	BW (Butt weld)	BW, FW*)
18 Parent material group(s)/subgroups	1.1 (SA216: WCB)	1 to 11
19 Filler material group(s)	FM1	FM1, FM2
20 Filler material type	B (basic covering)	all, C, 10, and 11 excluded
21 Designation	AWS A5.1 E7015	suitable welding consumable
22 Shielding gas / flux	-- / --	--
23 Auxiliaries	--	--
24 Type of current and polarity	DCEP(+)	--
25 Material thickness (mm)	12	≥ 3
26 Deposited thickness(mm)	12	≥ 3
27 Tube-∅ (outside) (mm)	--	≥ 75 for rotating pipe, ≥ 500 for fixed pipe
28 Welding positions	PC (transverse)	PA, PC
29 Weld details	bs(both sides)	ss mb, bs
30 Multi layer/single layer	--	--

31 Additional information: *) A supplementary fillet weld test was performed in accordance with 5.4 e). The requirements for approval of personnel, Directive 2014/68/EU, Annex I, 3.1.2 are met.

Type of test	performed and acceptable	not required
36 Visual test	yes	--
37 Radiography / Ultrasonic	yes	--
38 Magn. particle / penetr.	--	x
39 Macro testing	yes	--
40 Fracture	--	x
41 Bend	--	x
42 Additional tests ¹⁾	--	x

Name and signature: Yi Qing

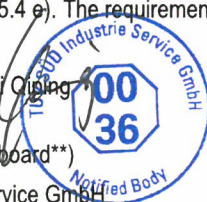
Personnel certification board**) TÜV SÜD Industrie Service GmbH

Date of welding: 2024-03-08

Location: Shanghai

Validity of approval until: 2026-03-07

PROLONGATION FOR APPROVAL
BY EMPLOYER OR SUPERVISOR
(for the following 6 months acc. to 10.1)



43 ¹⁾ Append separate sheet if required

44 PROLONGATION FOR APPROVAL BY INSP. AUTHORITY
(for the following 2 years acc. to 10.2)

Date	Signature	Position or title

Date	Signature	Position or title