VINACOMIN – INSTITUTE OF ENERGY AND MINING MECHANICAL ENGINEERING
TESTING AND VERIFICATION CENTER FOR INDUSTRY (TVCI)

WELDER PERFORMANCE QUALIFICATION CERTIFICATION

According to **AWS D1.1/D1.1M:2020**

Welder Performance Record No.: ***WPQ-IEMM-BMVP-24-009*** Date of Issue : Mar. 23rd 2024

Welder Name: Mr. **NGUYEN DINH HUONG**
Date of birth: **17 - Aug - 1990** ID card: **040090013249**
Welding process(es) used: **FCAW** Type: **Semi-Automatic**
Identification of WPS followed: **BM-WPS-FCAW-002** Rev.: **0**
Specification of base metal(s): **A36 to A36** Test Dated: Mar. 22nd 2024
Testing Centre: ***TESTING AND VERIFICATION CENTER FOR INDUSTRY (TVCI)***
LABORATORY OF MATERIALS – NDT – EMC (VILAS 182)

Testing Conditions and Qualification Limits

Welding Variables	Actual Values Used in Qualification	Qualification Range	
Welding process(es)	FCAW	FCAW	
Type (ie: manual, semi-auto) used	Semi-Automatic	Semi-Auto/ Mechanized/ Auto	
Backing (metal, weld metal, double-welded, etc.)	With/ Ceramic backing	With backing	
☒Plate ☐Pipe (enter diameter if pipe or tube)	-	Plate, OD ≥ 600 mm	
Thickness (mm)	12.0mm	Groove:	from 3.0 mm to 30 mm
		Fillet:	from 3.0 mm to Unlimited
Base metal Group-Number to Group-Number	G-Number I to I	Any AWS D1.1 Qualified Base Metal/ Any Gr. I to Gr. I	
Filler metal or electrode specification(s) (SFA)	SFA-5.20	SFA-5.xx	
AWS Classification	E71T-1C	All	
Filler metal F-Number(s)	F6	All F6	
Filler type (solid/metal or flux cored/powder)	Flux core	Flux core	
Single or Multiple Electrodes	Single	Single	
Position qualified (2G, 3G, 4G, 3F, 4F, etc.)	3G	Groove:	F, H, V
		Fillet:	F, H, V
Vertical progression (uphill or downhill)	Uphill	Uphill	
Shielding gas (GTAW, PAW, GMAW, FCAW,...)	AWS A5.32 SG-C	Approved by AWS A5.32/ A5.xx	
Current type/polarity (AC, DCEP, DCEN)	DCEP(+)	DCEP(+)	
Other	N/A	N/A	

RESULTS

☑ Visual Examination of Completed Weld: .....No defects. Results in Acceptable
☐ Bend test; ☐ Transverse root and face:.....NA
☐ Longitudinal root and face: .....NA
☐ Pipe bend specimen, corrosion-resistant overlay: .....NA
☑ Alternative ultrasonic examination results: the report No.: **VCN VX04-24-UT-5**

Sample/ Identification	Result
NGUYEN DINH HUONG -3G	Acceptable

Operator: Mr. Nguyen Thanh Nam UT Level II
Dated: March 22nd 2024

We certify that the statements in this record are correct and that the test coupons were prepared, welded, and tested in accordance with the requirements of the **AWS D1.1/D1.1M:2020** – *Structural Welding Code Steel.*

CERTIFIED INTERNATIONAL WELDING INSPECTOR
Nguyen Van Tan
Cert No.: VN-SL-Hanoi 1178-140616-031-IIW

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Phạm Hồng Thái

This certificate according this code shall be considered as remaining in effect indefinitely unless: the welder is not engaged in a given process of welding for a period exceeding 6 months or there is some specific reason to question a welder's ability.