

### QUALITY CERTIFICATE

№ 2501-130 Issued Date: 20.01.2025

**Manufacturer: PlasmaTec LLC**  
 18 Pravednykiv svitu str., Vinnytsia, Vinnytsia  
 region, Vinnytsia district, Ukraine, 21036

Product
Welding electrodes Monolith M-308L-16 TM MONOLITH d 4 mm (5/32"): vacuum 1 kg (2.2 LB)

Specification/Classification	AWS A5.4/ SFA-5.4: E308/E308L-16 CSA W48: E308L-16 EN ISO 3581-A- E 19 9 L R 1 2
Batch classification according to EN ISO 14344	C5
Lot Number	003

#### Mechanical properties of weld metal according to EN 10204, type 2.2

Index	Requirements (AWS A5.4)	Typical data
Tensile strength, (MPa/ksi)	min 490 (70)	583 (84)
Elongation, %	min. 30	62
Ferrite Number, FN (magnetic induction method)	Actual data 7.6	
Ferrite Number, WRC-1992	Actual data 13	

#### Chemical analysis of weld metal, % according to EN 10204, type 3.1

Index	Requirements (AWS A5.4)	Actual data
C	max. 0.04	0.02
Si	max. 1.0	0.79
Mn	max. 2.5	0.99
P	max. 0.04	0.023
S	max. 0.03	0.012
Cr	max. 21.0	19.5
Ni	max. 11.0	9.87
Mo	max. 0.75	0.19
Cu	max. 0.75	0.14

#### Post weld heat treatment - As welded

The product was manufactured and supplied according to a Quality System Program that meets the requirements of ISO 9001. The delivery conditions are in accordance with EN ISO 544.

**Head of Technical Control: Andrii Babyn**



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Lot Number identification: **001 3.2 XO** (example of Lot number), where **001** - actual Lot Number, 3.2 XO - additional information (3.2 - electrode size in mm; X - pressing team, O - packing team)