

### QUALITY CERTIFICATE

№ 2410-189 Issued Date: 23.10.2024

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

Product	
Welding electrodes Monolith M-308L-16 TM MONOLITH d 3.2 mm (1/8"): 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	002

#### Mechanical properties of weld metal according to EN 10204, type 3.1

Index	Requirements (AWS A5.4)	Actual data
Tensile strength, (MPa/ksi)	min. 520 (75)	588 (85)
Elongation, %	min. 30	49
	Requirements (AWS A5.4)	Actual data
Ferrite Number, FN	3 - 10	9.10

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

Index	Requirements (AWS A5.4)	Actual data
C	max. 0.04	0.01
Si	max. 1.0	0.82
Mn	max. 2.5	1.03
P	max. 0.04	0.020
S	max. 0.03	0.022
Cr	max. 21.0	19.70
Ni	max. 11.0	9.98
Mo	max. 0.75	0.05
Cu	max. 0.75	0.08

#### 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.

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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)