

### QUALITY CERTIFICATE

№ **2501-003** Issued Date: **06.01.2025**

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

Product	
Welding electrodes Monolith M-316L-16 TM MONOLITH d 4 mm (5/32"): vacuum 1 kg (2.2 LB)	
Specification/Classification	AWS A5.4/SFA-5.4: E316/E316L-16 CSA W48: E316L-16 EN ISO 3581-A-E 19 12 3 L R 1 2
Batch classification according to EN ISO 14344	<b>C5</b>
Lot Number	<b>001</b>

#### 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)	571 (83)
Elongation, %	min. 30	42
Ferrite Number, FN (magnetic induction method)	<b>Actual data</b>	
	12.9	

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

Index	Requirements (AWS A5.4)	Actual data
<b>C</b>	max. 0.04	0.01
<b>Si</b>	max. 1.0	0.65
<b>Mn</b>	max. 2.5	0.94
<b>P</b>	max. 0.04	0.020
<b>S</b>	max. 0.03	0.020
<b>Cr</b>	max. 20.0	18.50
<b>Ni</b>	max. 14.0	11.90
<b>Mo</b>	max. 3.0	2.62
<b>Cu</b>	max. 0.75	0.07

#### 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**

quality@plasmatec.com.ua, +380(67)433-19-36 (Viber, WhatsApp, Telegram)



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)