

QUALITY CERTIFICATE

№ **2501-208** Issued Date: **31.01.2025**

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

Product
Welding electrodes Monolith M-316L-17 TM MONOLITH d 2 mm (5/64"): pack 1 kg (2.2 LB)

Specification/Classification	AWS A5.4/SFA-5.4: E316/E316L-17 EN ISO 3581-A-E 19 12 3 L R 1 2
Batch classification according to EN ISO 14344	C5
Lot Number	001

Mechanical properties of weld metal
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)	Actual data 4.7	
Ferrite Number, WRC-1992	Actual data 14	

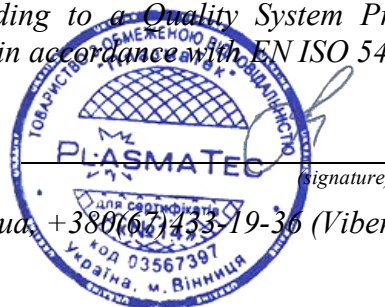
Chemical analysis of weld metal, %
EN 10204, type 3.1

Index	Requirements (AWS A5.4)	Actual data
C	max. 0.04	0.01
Si	max. 1.0	0.73
Mn	0.5-2.5	0.92
P	max. 0.04	0.021
S	max. 0.03	0.022
Cr	17.0-20.0	18.4
Ni	11.0-14.0	12.03
Mo	2.0-3.0	2.92
Cu	max. 0.75	0.1

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)