PLASMATEC companies group

0035-CPR-C656
EN 13479:2017
DoP 74/01/24-T
0035 24

QUALITY CERTIFICATE

№ 2501-131 Issued Date: 20.01.2025

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

Product
Welding electrodes Monolith M-309L-16 TM MONOLITH d 4 mm (5/32"): vacuum 1 kg (2.2 LB)

Specification/Classification	AWS A5.4/ SFA-5.4: E309/E309L-16 CSA W48: E309L-16 EN ISO 3581-A-E 23 12 L R 1 2
Batch classification according to EN ISO 14344	**C5**
Lot Number	**001**

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

Index	Requirements (AWS A5.4)	Typical data
Tensile strength, (MPa/ksi)	min. 520 (75)	579 (84)
Elongation, %	min. 30	36
Ferrite Number, FN (magnetic induction method)	**Actual data**	
	14.83	
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	0.73
Mn	max. 2.5	1.17
P	max. 0.04	0.023
S	max. 0.03	0.011
Cr	max. 25.0	22
Ni	max. 14.0	12.33
Mo	max. 0.75	0.19
Cu	max. 0.75	0.13

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 _____ *(signature)*

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)