

**QUALITY CERTIFICATE**

№ **2501-078** Issued Date: **16.01.2025**

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

<b>Product</b>	
<b>Welding electrodes Monolith 6010 TM MONOLITH d 5 mm (3/16"): pack of 5 kg (11 LB)</b>	
<b>Specification/Classification</b>	AWS A5.1 / SFA-5.1: E 6010 CSA W48: E4310 EN ISO 2560-A-E 42 3 C 21
<b>Batch classification according to EN ISO 14344</b>	<b>C5</b>
<b>Lot Number</b>	<b>001</b>

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

<b>Index</b>	<b>Requirements (AWS A5.1)</b>	<b>Typical data</b>
<b>Tensile strength, (MPa/ksi)</b>	min. 430 (60)	617 (89)
<b>Elongation, %</b>	min. 22	24
<b>Yield strength, (MPa/ksi)</b>	min. 330 (48)	509 (74)
<b>Impact energy (KV), (J/ft-lb) -30°C/-22°F</b>	min. 27 (20)	69 (51)

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

<b>Index</b>	<b>Requirements (AWS A5.1)</b>	<b>Actual data</b>
<b>C</b>	max. 0.2	0.15
<b>Si</b>	max. 1.0	0.2
<b>Mn</b>	max. 1.2	0.81
<b>Ni</b>	max. 0.3	0.03
<b>Cr</b>	max. 0.2	0.03
<b>Mo</b>	max. 0.3	0.004
<b>V</b>	max. 0.08	-
<b>S</b>	N.S.	0.009
<b>P</b>	N.S.	0.012

**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)*