

**QUALITY CERTIFICATE**

№ 2309-050 Date: 20.09.2023

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

<b>Product</b>
<b>Welding electrodes HS-Fe8 TM MONOLITH d 5 mm (3/16"): pack 1 kg (2.2 LB)</b>

<b>Specification/Classification</b>	EN 14700: E Z Fe8
<b>Batch classification according to EN ISO 14344</b>	<b>C5</b>
<b>Lot Number</b>	<b>008</b>

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

<b>Index</b>	<b>EN 14700</b>	<b>Typical data</b>
<b>Hardness, HRC</b>	50 - 65	59.4

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

<b>Index</b>	<b>Requirements</b>	<b>Actual data</b>
<b>C</b>	max. 2.00	1.21
<b>Cr</b>	max. 20.00	8.69
<b>Mn</b>	max. 3.0	0.91
<b>Mo</b>	max. 5.0	0.001
<b>W</b>	max. 2.0	0.007
<b>V</b>	max. 2.0	0.041
<b>Nb</b>	max. 10.0	0.046
<b>Fe</b>	Balance	85.68
<b>Si+Ti</b>	Other	2.62

**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)*