

**QUALITY CERTIFICATE**  
 respectively EN 10204 - 3.1

№ 2207-076 Date: 11.07.2022

**Manufacturer: PrJSC "PlasmaTec"**  
 Ukraine, 21036, Vinnytsia region, Vinnytsia district,  
 Vinnytsia, 18 Maksymovycha str.

**Counterparty:**

Nomination	Quantity packs, pcs	Total weight, kg
Welding electrodes UONI-13/55 Plasma H4R d 3.2 mm	-	

Standard/Classification	EN ISO 2560-A- E 42 4 B 4 2 H5 AWS A5.1: E7018-1 H4R
Batch №	<b>007</b>

**Mechanical properties of weld metal**

Index	Typical data	Actual data
Tensile strength, MPa (N/mm <sup>2</sup> )	500 - 640	584
Elongation, %	≥22	29
Impact strength (KCU), J/cm <sup>2</sup> + 20°C	≥180	230/250/246
Yield strength, MPa (N/mm <sup>2</sup> )	≥420	498
Impact energy (KV), J -40°C	≥47	100/101/107
Diffusible hydrogen, mg/100g	≤5	4.5

**Chemical analysis of weld metal, %**

Index	Typical data	Actual data
C	≤0.09	0.08
Si	0.40 - 0.70	0.45
Mn	1.10 - 1.50	1.36
P	≤0.03	0.024
S	≤0.02	0.016

*The manufacturer guarantees that the content of chemical elements and the mechanical properties of the weld metal meet the requirements of EN ISO 2560, and also the delivery conditions meet the requirements of ISO 544.*

**Head of Technical Control Department**



(caption)

For quality issues contact: e-mail: [quality@plasmatec.com.ua](mailto:quality@plasmatec.com.ua), phone: +380(67)433-19-36 (Viber, WhatsApp, Telegram)