


Manufacturer <b>Ugine</b> Avenue Paul Girod - CS 90100 73403 Ugine Cedex France <a href="http://www.ugitech.com">www.ugitech.com</a>	<b>INSPECTION CERTIFICATE 3.1</b> <b>EN 10204 / 3.1</b>	<b>UGITECH</b> 
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Certificate : All UGITECH products were produced according to the certified quality system (at least ISO 9001) and according to customer requests on purchase orders, as per requirements in standards IATF 16949, EN 9100, EN 9120, ISO 13485, code FCCM and/or ASME sector III, PED 2014/68/EU, AD 2000/W0. Chemical analysis and mechanical properties tests were performed by ISO/CEI 17025 accredited laboratories.	Supplier's mark : 
	Inspector's stamp :

Purchase : <b>12672 BIRCELİK PASLANMAZ CELİK TICARET</b>	Purchase order reference : <b>New stock order - 26</b>	Order number : <b>917582 10</b>	Certificate : <b>84104445 900001</b>
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Product : <b>UGIMA 4104 BAR SMQ DRAWN POLISHED ANNEALED AND DRAWN H9 ROUND 18,000MM LONG. 3,000M +50,000MM - 0,000MM</b>	<b>504452</b>
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Melting process : <b>EAF + AOD + CC</b>	Batch : <b>1914MMW6200</b>	Heat n° : <b>907094</b>	Weight : <b>187 kg</b>
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Pieces Nbr : <b>166</b>	Shape : <b>round</b>	Dimension : <b>18,000</b>	Forging ratio : <b>148,2</b>
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Standard : <b>EN 10088-3 ED2014 1.4104</b>
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CHEMICAL ANALYSIS										Test n° : HL74
%	C	Si	Mn	Ni	Cr	Mo	Cu	S	P	
Min	0,1000				15,5000	0,2000		0,1500		
Max	0,1700	1,0000	1,5000		17,5000	0,6000		0,3500	0,0400	
Heat Product	0,1140	0,3500	1,1040	0,2520	17,0710	0,2330	0,0660	0,2845	0,0248	

**MECHANICAL CHARACTERISTICS**


Result as delivered : Annealed and drawn												
Tensile test									Hardness			
T°C	Test N°	Marker n° Direction	Yield strength Rp 0.2% MPa	Yield strength Rp 1% MPa	Tensile strength RM MPa	Elongation 5D %	Elongation 4D %	Red. Area Z %	HBW 2,5/187,5	Hv 5	HRb	HRC
		Min Max			800				250			
20	HL74	1201 L			632				181			

**ADDITIONAL INFORMATION**

Non destructive testing :  
 SURFACE CONDITION COMPLIANT WITH EN 10277-1 CLASS 3 CHECKED BY EDDY CURRENT 100% OF THE BARS

Others :  
 COUNTRY OF MELT SOURCE : FRANCE  
 MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION AND WELDS OR WELD REPAIRS AT TIME OF SHIPMENT

Original certificate number : <b>84091645 900001</b>	Original batch weight : <b>1005 KG</b>
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We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity (NF L 00-015 C); Document validated by electronic signature. Material manufactured in the REACH regulation respect.	Uguine the 04/04/2019 The quality manager  <b>B. POLLET</b>
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