

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8CLNCuB ED-2026			TC No. :	S41/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size :	18 mm	TC Date :	15.06.20XX
PO No. :	-	Date :	-	RM TC No. :	-	Lot No. :	AKF-XX	INV. No./Date	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	N	Nb	Cu	Al	B	Pb	Ca
Min. :	0.005	-	-	-	-	17.00	10.00	0.20	0.06	0.20	2.50	-	-	-	-
Max. :	0.020	2.00	0.035	0.010	0.60	19.00	13.00	1.20	0.12	0.50	3.50	-	-	-	-
Actual :	0.015	1.35	0.022	0.003	0.42	18.05	11.80	0.65	0.09	0.34	3.05	-	-	-	-

Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory
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Heat Treatment Records

Heat Treatment Process	Hardening Temp. °C	Tempering Temp. °C	Solution Annealing Temp.°C
Temp. °C Min. :	-	-	-
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	-	-	Carbide Solution Treated & Strain Hardened

Mechanical Testing Results

Mechanical Properties	Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	% Reduction Area	Hardness (HRC)	Proof Load (kN)
Specified	Min.	-	-	-	-	43.4
	Max.	-	-	-	32	-
Actual Results:	-	-	-	-	23, 26, 27	44.5

Impact Test Results	Charpy V Notch Impact Test				AVG Value (J)	Lateral Expansion			
	Specified Value (J)	-	-	-	-	Value 1	Value 2	Value 3	Avg. Value
	Achieved Value (J)	-	-	-	-	-	-	-	-

Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Nut M12-1.75P, ASTM A194 GRADE 8CLNCuB	-	28.00 NOS

Remarks: -

- 01) Material is free from deleterious contaminants
- 02) 100% visual inspection carried out & found free from defects
- 03) Chemical, Mechanical & Metallurgical properties as per specification 100%
- 04) Material used 100% of standard compliance requirements and actual test results are recorded and verified against the above specification limits
- 05) No weld repair noticed
- 06) Above mentioned items conform to all required test results as per the Purchase order requirement
- 07) All dimensions are as per IS Specification
- 08) Above mentioned items are as per the requirements of IS 10000, if applicable

We confirm that above mentioned Items was Manufactured, Sampled, Tested and Inspected in accordance with the subjected Customer's Purchase Order and as applicable Drawings, Material Specifications, Codes & Standards and the results of the items have been determined to meet the users' requirements.

For Ananka Fasteners Pvt. Ltd.

For Client / TPI