

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8RA ED-2026			TC No. :	S33/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	18 mm	TC Date :	27.04.20XX
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	V	Sn	Cu	Al	B	Pb	Ca
Min. :	-	4.00	-	-	-	20.50	11.50	1.50	0.20	-	-	-	-	-	-
Max. :	0.060	6.00	0.045	0.030	1.00	23.50	13.50	3.00	0.40	-	-	-	-	-	-
Actual :	0.031	4.89	0.031	0.012	0.39	20.79	11.54	1.67	0.24	-	-	-	-	-	-
Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory										

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			

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.	-	-	-	25	-
Actual Results:	-	-	-	-	21, 19, 21	44.2
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	

Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Nut M12-1.75P, ASTM A194 GRADE 8RA	-	40 Nos

Remarks :-

- 01) Material is free from surface defects.
- 02) 100% visual inspection was carried out as per the requirements.
- 03) Chemical, Mechanical & Dimensional tests were carried out as per the requirements.
- 04) Material was found to be in accordance with the requirements. Test results are recorded and verified against the above specification limits.
- 05) No visible heat treatment.
- 06) Heat treatment records are available and verified as per the requirements.
- 07) All dimensions are as per the specifications.
- 08) Above mentioned items are in accordance with the requirements of IS 9001:2015.

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