

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8LNA ED-2026			TC No. :	S27/26-XX		
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	18 mm	TC Date :	24.05.20XX		
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	Sn	Cu	Al	B	Pb	Ca
Min. :	-	-	-	-	-	18.00	8.00	-	0.10	-	-	-	-	-	-
Max. :	0.030	2.00	0.045	0.030	1.00	20.00	11.00	-	0.16	-	-	-	-	-	-
Actual :	0.013	1.58	0.032	0.010	0.41	18.32	8.29	-	0.132	-	-	-	-	-	-
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 (HRB)		Proof Load (Kn)		
Specified	Min.	-	-		-	-	60		43.4		
	Max.	-	-		-	-	90		-		
Actual Results:		-	-		-	-	69, 72, 73		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 8LNA	-	36 Nos

Remarks :-

- 01) Material is free from surface defects.
- 02) 100% visual inspection was carried out as per the requirements.
- 03) Chemical Analysis is carried out as per the requirements.
- 04) Material was tested at 100% as per the requirements. Test results are recorded and verified against the above specification limits.
- 05) No visible surface defects.
- 06) Above mentioned items are used as per the requirements.
- 07) All dimensions are as per the specifications.
- 08) Above mentioned items are as per 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