

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8MNA ED-2026			TC No. :	S29/26-XX		
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	22 mm	TC Date :	19.05.20XX		
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. :	-	-	-	-	-	16.00	10.00	2.00	0.10	-	-	-	-	-	-
Max. :	0.080	2.00	0.045	0.030	1.00	18.00	13.00	3.00	0.16	-	-	-	-	-	-
Actual :	0.031	1.61	0.039	0.011	0.45	16.68	10.14	2.13	0.128	-	-	-	-	-	-
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		80.9		
	Max.	-	-		-	-	90		-		
Actual Results:		-	-		-	-	72, 78, 75		81.2		
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 M16-2P, ASTM A194 GRADE 8MNA	-	80 Nos

Remarks :-

- 01) Material is free from surface defects.
- 02) 100% visual inspection is carried out as per the requirements.
- 03) Chemical Analysis is carried out as per the requirements.
- 04) Material is tested as per the requirements and the results are recorded and verified against the above specification limits.
- 05) No weld repair is carried out.
- 06) These mentioned items are used as per the requirements and are not to be used in any other application.
- 07) All dimensions are as per the specifications.
- 08) These mentioned items are as per the requirements of TDS No. 02 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