

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8N ED-2024			TC No. :	S24/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	22 mm	TC Date :	22.05.20XX
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. :	0.08	2.00	0.045	0.030	1.00	20.00	11.00	-	0.16	-	-	-	-	-	-
Actual :	0.34	1.56	0.032	0.012	0.48	18.43	8.11	-	0.12	-	-	-	-	-	-
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 & 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.	-	-		-	-	-		86.4	
	Max.	-	-		-	-	32		-	
Actual Results:		-	-		-	-	23, 26, 24		87.6	
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	-	-	Heavy Hex Nut M16-2P, ASTM A194 GRADE 8N	-	50 Nos

Remarks: -

- 01) Material is free from visible surface defects.
- 02) 100% visual inspection was carried out as per the requirements.
- 03) Chemical, Mechanical & Dimensional test results are within the specified limits.
- 04) Material used fully complies with the requirements and actual test results are recorded and verified against the above specification limits.
- 05) No visible surface defects.
- 06) Above mentioned items are free from visible defects and are in order to the Purchase order requirements.
- 07) All dimensions are as per the specification.
- 08) Above mentioned items are in full compliance 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