

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8P ED - 2024			TC No. :	S22/26-XX		
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	28 mm	TC Date :	16.06.20XX		
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	Sn	Cu	Al	B	Pb	Ca
Min. :	-	-	-	-	-	17.00	11.00	-	-	-	-	-	-	-	-
Max. :	0.12	2.00	0.045	0.030	1.00	19.00	13.00	-	-	-	-	-	-	-	-
Actual :	0.08	1.32	0.039	0.011	0.27	17.68	11.32	-	-	-	-	-	-	-	-
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 and 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.	-	-		-	-			126.2	
	Max.	-	-		-	-	32		-	
Actual Results:		-	-		-	-	25, 27, 24		126.9	
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 M20-2P, ASTM A194 GRADE 8P	-	38 Nos

Remarks: -

- 01) Material is free from visible surface defects.
- 02) 100% visual inspection was carried out as per the requirements.
- 03) Chemical, Mechanical & Surface test results as per Specification 20XX.
- 04) Material used 100% as per the requirements. The actual test results are recorded and verified against the above specification limits.
- 05) No visible heat cracks.
- 06) Above mentioned items are free from visible defects and are ready for use as per the Purchase order requirements.
- 07) All dimensions are as per the specification.
- 08) Above mentioned items are a free from the contamination of TSS No. 20XX.

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