

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8T ED - 2026			TC No. :	S18/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	28 mm	TC Date :	23.04.20XX
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	N	Sn	Cu	Ti	B	Pb	Ca
Min. :	-	-	-	-	-	17.00	9.00	-	-	-	-	-	-	-	-
Max. :	0.08	2.00	0.045	0.030	1.00	19.00	12.00	-	-	-	-	0.70	-	-	-
Actual :	0.039	1.64	0.032	0.012	0.42	17.56	9.34	-	-	-	-	0.35	-	-	-
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.	-	-		-	-	-		111.42	
	Max.	-	-		-	-	32		-	
Actual Results:		-	-		-	-	29, 26, 27		112.28	
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 :		Not Required for Grade 8T	

Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Nut 3/4"-10 UNC, ASTM A194 GRADE 8T	-	50 Nos

Remarks: -

- 01) Material is free from visible surface defects.
- 02) 100% visual inspection was carried out as per requirement.
- 03) Chemical, Mechanical & Surface test results as per Specification 8T.
- 04) Material used 100% as per compliance requirements and actual test results are recorded and verified against the above specification limits.
- 05) No visible heat cracks.
- 06) Above mentioned items are free to be used as per requirement.
- 07) All dimensions are as per the specification.
- 08) Above mentioned items are a free to be used as per requirement.

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