

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8A ED-2026			TC No. :	S13/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	28 mm	TC Date :	18.06.20XX
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. :	-	-	-	-	-	18.00	8.00	-	-	-	-	-	-	-	-
Max. :	0.08	2.00	0.045	0.030	1.00	20.00	11.00	-	-	-	-	-	-	-	-
Actual :	0.031	1.54	0.032	0.012	0.42	18.42	8.14	-	-	-	-	-	-	-	-
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 (BHN)	Proof Load (Kn)
Specified	Min.	-	-	-	126	111.42
	Max.	-	-	-	196	-
Actual Results:	-	-	-	-	154, 158, 155	112.30
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 3/4"-10 UNC, ASTM A194 GRADE 8A	-	100 Nos

Remarks: -

- 01) Material is free from surface defects.
- 02) 100% visual inspection carried out & found to be free from defects.
- 03) Chemical Analysis carried out & found to be within the specified limits.
- 04) Material used 100% of certified material & 100% test results are recorded and verified against the above specification limits.
- 05) No weld repair noticed.
- 06) Above mentioned items found to be within the specified limits as per the Purchase order requirement.
- 07) All dimensions are as per the specification.
- 08) Above mentioned items are 100% as per the requirement 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