

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8PA ED-2026			TC No. :	S23/26-XX.
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	28 mm	TC Date :	17.04.20XX
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	Al	B	Pb	Ca
Min. :	-	-	-	-	-	17.00	10.00	-	-	-	-	-	-	-	-
Max. :	0.12	2.00	0.045	0.030	1.00	19.00	13.00	-	-	-	-	-	-	-	-
Actual :	0.09	1.47	0.037	0.007	0.42	17.64	10.34	-	-	-	-	-	-	-	-
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		126.2		
	Max.	-	-		-	-	90		-		
Actual Results:		-	-		-	-	72, 78, 74		127.4		
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 M20-2.5P, ASTM A194 GRADE 8PA	-	40 Nos

Remarks: -

- 01) Material is free from surface defects.
- 02) 100% visual inspection is carried out & found to be satisfactory.
- 03) Chemical, Mechanical & Physical test results are within the specified limits.
- 04) Material is certified to EN 10204-2004 Part 3.1 and all test results are recorded and verified against the above specification limits.
- 05) No weld repair is required.
- 06) Above mentioned items are to be used as per the Purchase order requirements.
- 07) All dimensions are as per the specifications.
- 08) Above mentioned items are to be used as per the specification 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