

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 8MLNA ED-2026			TC No. :	S31/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	24 mm	TC Date :	16.05.20XX
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. :	-	-	-	-	-	16.00	10.00	2.00	0.10	-	-	-	-	-	-
Max. :	0.030	2.00	0.045	0.030	1.00	18.00	13.00	3.00	0.16	-	-	-	-	-	-
Actual :	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory
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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	80.9
	Max.	-	-	-	90	-
Actual Results:	-	-	-	-	72, 75, 76	81.4

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
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Nut M16-2P, ASTM A194 GRADE 8MLNA	-	40 Nos

Remarks: -
01) Material is free from surface defects.
02) 100% visual inspection is carried out & found to be satisfactory.
03) Chemical Analysis is carried out & found to be within the specified limits.
04) Tensile and Yield strength test results are recorded and verified against the above specification limits.
05) No weld metal is present.
06) Impact test results are recorded and verified against the above specification limits.
07) All dimensions are as per the specifications.
08) Above mentioned items are 100% to the requirement 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