

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC			Material :	ASTM A194 GRADE 43 ED-2026			TC No. :	SN10/26-XX		
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	18 mm	TC Date :	21.05.20XX		
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. :	0.38	0.60	-	-	0.15	0.70	1.65	0.20	-	-	-	-	-	-	-
Max. :	0.43	0.85	0.035	0.040	0.35	0.90	2.00	0.30	-	-	-	-	-	-	-
Actual :	0.40	0.71	0.024	0.008	0.19	0.79	1.81	0.23	-	-	-	-	-	-	-
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. :	88X°C	59X°C	-
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	Oil Quenched	Aircool	-

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.	-	-	-	24	87.3
	Max.	-	-	-	35	-
Actual Results:	-	-	-	-	27, 29, 27	88.7

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 M12-1.75P, ASTM A194 GRADE 43	-	40 Nos

Remarks: -
01) Material is free from surface defects.
02) 100% visual inspection carried out & found to be satisfactory.
03) Chemical Analysis is carried out & found to be satisfactory.
04) Material used is 100% as per specification & no actual test results are recorded and verified against the above specification limits.
05) No weld repair noticed.
06) Above mentioned items are to be used as per specification & not to be carried out in order to the Purchase order requirement.
07) All dimensions are as per specification.
08) Above mentioned items are to be used as per specification 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