

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-	Material :	ASTM A193 GR. B8 CL.1 ED-2025	TC No. :	S52/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar
PO No. :	-	Date :	-	Bar Size :	16.0 mm
		RM TC No. :	-	TC Date :	23.04.20XX
		Lot No. :	B12X	INV. No./Date	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	V	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 :	0.064	1.241	0.0335	0.0291	0.403	18.40	8.030	-	-	-	-	-	-	-	-
Lab TC No.:	25027XXX					Lab Name :						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.	515	205	30	50	-		-		
	Max.	-	-	-	-	96		-		
Actual Results:		843.28	647.73	32.60	52.88	94.3, 94.8, 95.4		-		
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.:	AKF/25-26/79/01		Lab Name :	M/s. AKF		Result :		Satisfactory.		

Item Details

Po Sr.No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
00200	006034445	-	Hex Bolt M16 -2P, A193 GR. B8	90mm	28.00 NOS

Remarks: -
01) As per drawing & material specification.
02) Material & mechanical properties as per drawing & material specification.
03) Heat treatment as per drawing & material specification.
04) Mechanical properties as per drawing & material specification.
05) Impact test as per drawing & material specification.
06) Surface finish as per drawing & material specification.
07) Dimensional accuracy as per drawing & material specification.
08) All dimensions are in mm unless otherwise specified.

We confirm that above mentioned items were 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