

Material Test Certificate according to EN10204-2004:3.1

Customer :	-	Material :	ASTM A193 Gr.B8 Cl.2 - ED-2025			TC No. :	S53/26-XX		
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size :	24 mm	TC Date :	18.06.20XX
PO No. :	-	Date :	-	RM TC No. :	-	Lot No. :	B13X	INV. No./Date	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Zn	V	Sn	Cu	Al	B	Pb	Ca
Min. :	-	-	-	-	-	18.000	8.000	-	-	-	-	-	-	-	-
Max. :	0.080	2.000	0.045	0.030	1.000	20.000	11.000	-	-	-	-	-	-	-	-
Actual :	0.0470	1.150	0.0326	0.0170	0.342	18.51	8.04	-	-	-	-	-	-	-	-
Lab TC No.:	26000XXX					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 (HRC)	Proof Load (Kn)
Specified	Min.	860	690	12	35	-
	Max.	-	-	-	35	-
Actual Results:	944.58	819.75	47.50	62.30	29 , 32 , 30	-
Impact Test Results						
Charpy V Notch Impact Test			AVG Value (J)	Lateral Expansion		
Specified Value (J)			-	Value 1	Value 2	Value 3
Achieved Value (J)			-	-	-	-

Lab TC No.:	26000927	Lab Name :	M/s. BMT LAB LLP.	Result :	Satisfactory.
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Stud Bolts 1" – 8 UNC , SA 193, Gr. B8 CL.2	180 mm	10.00 NOS

Remarks: -
01) 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.
02)
03)
04)
05)
06)
07)
08)

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