

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-	Material :	ASTM A193 GR. B7 ED-2025	TC No. :	S50/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar
PO No. :	-	Date :	-	Bar Size :	20.3 mm
		RM TC No. :	-	TC Date :	20.04.20XX
		Lot No. :	A13X	INV. No./Date	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min. :	0.38	0.75	-	-	0.15	0.80	-	0.15	-	-	-	-	-	-	-
Max. :	0.48	1.00	0.035	0.040	0.35	1.10	-	0.25	-	-	-	-	-	-	-
Actual :	0.39	0.829	0.0211	0.0119	0.203	0.944	-	0.165	-	-	-	-	-	-	-

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. :	85X°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.	860	720	16	50	-
	Max.	-	-	-	35	-
Actual Results:	981.09	911.58	17.60	58.35	31.3, 31.6, 30.4	-

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.:	26003681	Lab Name :	M/s. BMT LAB LLP	Result :	Satisfactory.
--------------------	----------	-------------------	------------------	-----------------	---------------

Item Details

Po Sr.No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Stud Bolt 7/8" – 9UNC, A193 GR. B7	150mm	60.00 NOS

Remarks: -
01)
02)
03)
04)
05)
06)
07)
08)
09)

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