

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-			Material :	ASTM A193 GR. B8M3 Cl.2C - 2025			TC No. :	S100/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size :	20.0 mm	TC Date :	06.05.20XX
PO No. :	-	Date :	-	RM TC No. :	-	Lot No. :	AKF-1XX	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	-	-	-	-	-	-	-
Max. :	0.080	2.000	0.0450	0.030	1.000	18.00	14.00	3.00	-	-	-	-	-	-	-
Actual :	0.037	1.417	0.0325	0.015	0.525	16.22	11.59	2.63	-	-	-	-	-	-	-
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. :	-	-	-
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	-	-	-
Carbide Solution Treated & Strain Hardened			

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. 585	450	30	60	-	-
	Max. -	-	-	-	35	-
Actual Results:	683.32	512.13	34.46	68.53	29.1, 28.2, 29.4	-

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	-	-	Stud Bolt M-20-2.5P, ASTM A193 GR. B8M3 Cl.2C	110	10.00 NOS

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

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