

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-			Material :	ASTM A193 GR. B8M2 Cl.2B - 2025			TC No. :	S99/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size	16.0 mm	TC Date :	18.05.20XX
PO No. :	-	Date :	-	RM TC 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. :	-	-	-	-	-	16.00	10.00	2.00	-	-	-	-	-	-	-
Max. :	0.080	2.000	0.0450	0.030	1.000	18.00	14.00	3.00	-	-	-	-	-	-	-
Actual :	0.041	1.428	0.0419	0.014	0.781	16.95	13.00	2.45	-	-	-	-	-	-	-
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.	655	515	25	40	-
	Max.	-	-	-	35	-
Actual Results:	764.12	609.46	31.17	49.42	31.1, 32.3, 31.5	-

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-168-2P, ASTM A193 GR. B8M2 Cl.2B	70	13.00 NOS

Remarks: -
01) Material is free from visible defects.
02) Material is free from visible defects.
03) Material is free from visible defects.
04) Material is free from visible defects.
05) Material is free from visible defects.
06) Material is free from visible defects.
07) Material is free from visible defects.
08) Material is free from visible defects.

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