

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-			Material :	ASTM A193 GR. B8LN CL.1 ED-2025			TC No. :	S76/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round	Bar Size	14.0 mm	TC Date :	21.04.20XX
PO No. :	-	Date :	-	RM No. : TC	-	Lot 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. :	-	-	-	-	-	18.00	8.00	-	0.10	-	-	-	-	-	-
Max. :	0.030	2.00	0.045	0.030	1.00	20.00	11.0	-	0.16	-	-	-	-	-	-
Actual :	0.015	1.02	0.034	0.007	0.31	19.14	9.62	-	0.14	-	-	-	-	-	-

Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory
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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:	603.70	298.26	52.12	67.38	88, 90, 91	-

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.:	-	Lab Name :	-	Result :	Satisfactory
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Stud Bolt M14-2P, ASTM A193 GR. B8LN CL.1	100 mm	20.00 NOS

Remarks: -
01) Material is free from surface defects.
02) 100% visual inspection carried out & found free from defects.
03) Chemical, Mechanical & Hardness test carried out as per requirements.
04) Material fully complies with the requirements. Hence satisfactory.
05) No work order raised.
06) Above mentioned test results in full report is sent in order to the Purchase order requirement.
07) All dimensions are as per specification.
08) Above mentioned items are as per the requirement of TDS, No. 12 applicable.

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

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-			Material :	ASTM A193 GR. B8LNA CL.1A			TC No. :	S77/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round	Bar Size	14.0 mm	TC Date :	10.05.20XX
PO No. :	-	Date :	-	RM TC No. :	-	Lot 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. :	-	-	-	-	-	18.00	8.00	-	0.10	-	-	-	-	-	-
Max. :	0.030	2.00	0.045	0.030	1.00	20.00	11.0	-	0.16	-	-	-	-	-	-
Actual :	0.006	0.70	0.010	0.005	0.77	18.99	9.11	-	0.13	-	-	-	-	-	-
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 in the Finish Condition

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. -	-	-	-	90	-
Actual Results:	598.69	304.97	49.36	63.19	84, 86, 87	-

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.:	-	Lab Name :	-	Result :	Satisfactory
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Stud Bolt M14-2P, ASTM A193 GR. B8LNA CL.1A	90 mm	10.00 NOS

Remarks: -
01) Material is free from surface defects.
02) 100% visual inspection carried out & found free from defects.
03) Chemical, Mechanical & Dimensional properties are as per specification.
04) Material is free from surface defects.
05) No weld repair is required.
06) Material is free from surface defects.
07) All dimensions are as per specification.
08) Material is free from surface 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