

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :				Material :	ASTM A193 GR.B5 ED-2025			TC No. :	S57/26-XX
SWO No. :		Date :		Bar Shape :	Round Bar	Bar Size	12.0 mm	TC Date :	13.05.20XX
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	V	Sn	Cu	Al	B	Pb	Ca
Min. :	0.10	-	-	-	-	4.00	-	0.40	-	-	-	-	-	-	-
Max. :	-	1.00	0.040	0.030	1.00	6.00	-	0.65	-	-	-	-	-	-	-
Actual :	0.23	0.671	0.021	0.009	0.442	5.12	-	0.513	-	-	-	-	-	-	-

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. :	88X°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.	690	550	16	50	-
	Max.	-	-	-	-	-
Actual Results:	723.18	608.34	21.36	53.47	-	-

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	-	-	Hex Head Bolt M12 – 1.75P, A193 GR. B5	80 mm	50.00 NOS

Remarks: -
01) Material is free from any visible contamination.
02) 100% visual inspection carried out & found free from defects.
03) Chemical, Mechanical & hardness test carried at room temperature 20°C.
04) Material fully fit the standard compliance requirements hence satisfactory.
05) No visible signs of corrosion.
06) Above mentioned items conform to with respect to test carried out in order to the Purchase order requirement.
07) All dimensions are as per the Specification.
08) Above mentioned items are in line to the requirement of TSC No. (if applicable)
09) Product surface finish is supplying as per spec.

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