

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :				Material :	ASTM A193 GR.B6X ED-2025			TC No. :	S59/26-XX
SWO No. :		Date :		Bar Shape :	Round Bar	Bar Size	16.0 mm	TC Date :	23.05.20XX
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. :	0.08	-	-	-	-	11.50	-	-	-	-	-	-	-	-	-
Max. :	0.15	1.00	0.040	0.030	1.00	13.50	-	-	-	-	-	-	-	-	-
Actual :	0.15	0.541	0.021	0.009	0.313	12.19	-	-	-	-	-	-	-	-	-

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.	620	485	16	50	-
	Max.	-	-	-	-	-
Actual Results:	735.18	576.29	19.27	53.18	-	-

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 M16-2P, A193 GR. B6X	110 mm	25.00 NOS

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

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
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