

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :				Material :	ASTM F468 UNS R50400 (Tit Gr.2) ED-2023			TC No. :	S83/26-XX
SWO No. :		Date :		Bar Shape :	Round Bar	Bar Size	16 mm	TC Date :	13.06.20XX
PO No. :		Date :		RM TC No. :	-	Lot No. :	AKF-SXX	INV. No./Date	-

Chemical Composition Results %

Elements :	C	O	N	H	Fe	Cr	Ni	Mo	Fe	Al	Ti	Cu	-	-	-
Min. :	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max. :	0.10	0.25	0.05	0.0125	0.30	-	-	-	-	-	-	-	-	-	-
Actual :	0.021	0.12	0.012	0.009	0.12	-	-	-	-	-	Bal	-	-	-	-

Lab TC No.:	26012XX	Lab Name :	BMT Lab LXX	Result :	Satisfactory
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Heat Treatment Records

Heat Treatment Process	-		
Temp. °C Min. :	-		
Temp. °C Recorded :	-		
Soaking Time :	-		
Quenching Medium :	-		

Mechanical Testing Results

Mechanical Properties	Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (L-4D)	% Reduction Area	Hardness (HV)	Proof Load (Kn)
Specified Min.	345	276	20	-	160	-
Specified Max.	-	-	-	-	180	-
Actual Results:	467.31	332.08	29.67	-	169, 167, 169	-

Impact Test Results	Charpy V Notch Impact Test				AVG Value	Lateral Expansion			
	Specified Value (J)	-	-	-	-	Value 1	Value 2	Value 3	Avg. Value
	Achieved Value (J)	-	-	-	-	-	-	-	-

Lab TC No.:	083/26-27/XX	Lab Name :	AKF LXX	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 - UNS R50400 (Tit Gr.2)	60 mm	10.00 NOS

Remarks: -
01) Material is free from objectionable contamination.
02) 100% visual inspection carried out & found free from defects.
03) Chemical, Mechanical & Hardness test carried at room temperature 20°C.
04) Material fulfills all the standard compliance requirements hence satisfactory.
05) No work order pending.
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 TIT No. 28 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