

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-	Material :	ASTM F468 UNS N05500 (M-500)-23	TC No. :	S39/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar
PO No. :	-	Date :	-	Bar Size :	16 mm
		RM TC No. :	-	TC Date :	13.06.20XX
		Lot No. :	-	INV. No./Date :	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	Fe	Al	Ti	Cu	-	-	-
Min. :	-	-	-	-	-	-	63.00	-	-	2.30	0.35	-	-	-	-
Max. :	0.25	1.50	-	0.010	0.50	-	70.00	-	2.00	3.15	0.85	-	-	-	-
Actual :	0.08	1.23	-	0.007	0.28	-	65.46	-	1.06	2.71	0.49	Rem	-	-	-
Lab TC No.:	-	Lab Name:				-	Result :				Satisfactory				

Heat Treatment Records (Precipitation Hardening)

Heat Treatment Process	Solution Annealing	Precipitation Hardening
Temp. °C Min. :	10XX°C	59X°C
Temp. °C Recorded :	-	-
Soaking Time :	-	16 Hours
Quenching Medium :	Water quenched	Air Cool

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.	896	621	20	-	-
	Max.	-	-	-	37	-
Actual Results:	912.42	689.58	29.52	-	30, 28, 31	-

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.:	-	Lab Name :	-	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	100mm	10.00 NOS

Remarks: -
01) Material & Test Spec. as per EN 10204-2004
02) 100% Visual inspection carried out & found free from defects.
03) Material, Mechanical & Chemical test carried out as per specification EN 10204-2004.
04) Material & Test Spec. as per EN 10204-2004
05) 100% Visual inspection
06) Material & Test Spec. as per EN 10204-2004
07) 100% Visual inspection
08) Material & Test Spec. as per EN 10204-2004

We confirm that above mentioned items were 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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