

Material Test Certificate according to EN 10204-2004 : 3.1

Customer : -	Material : ASTM F2281 UNS N07750-2023	TC No. : S43/26-XX
SWO No. : -	Bar Shape : Round Bar	TC Date : 13.06.20XX
PO No. : -	RM TC No. : -	INV. No./Date -

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	Nb+Ta	Al	Fe	Co	Cu	-	-	Ti	-	-
Min. :	-	-	-	-	-	14.00	70.00	-	0.70 0.40	5.00	-	-	-	-	-	2.25	-	-
Max. :	0.080	1.00	-	0.010	0.50	17.00	-	-	1.20 1.00	9.00	1.00	0.50	-	-	-	2.75	-	-
Actual :	0.023	0.56	-	0.003	0.32	15.46	72.68	-	0.94 0.57	6.12	0.23	0.04	-	-	-	2.68	-	-
Lab TC No.: -	LabName : -										Result : Satisfactory							

HeatTreatmentRecords (PrecipitationHardening)

Heat Treatment Process	SolutionAnnealing	Stabilized	Precipitation Hardening
Temp. °C Min. :	10XX°C	70X°C	62X°C
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	Aircool	FurnaceCool	Aircool

Mechanical Testing Results

Mechanical Properties		Tensile Strength (Mpa)	Yeild Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	%Reduction Area	Hardness (HRC)		Proof Load (Kn)		
Specified	Min.	1170	790	18	18	32		-		
	Max.	-	-	-	-	40		-		
Actual Results:		1207.32	879.48	23.17	27.41	35, 36, 36		-		
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.	ItemCode	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex HeadBolt M16-2P	80mm	10.00NOS

Remarks: -

- 01) Material & Test Report as per EN 10204-2004:3.1
- 02) 100% Visual inspection carried out and found free from defects.
- 03) Material, Mechanical & Chemical test carried out as per EN 10204-2004:3.1.
- 04) Material & Test Report as per EN 10204-2004:3.1.
- 05) Material & Test Report as per EN 10204-2004:3.1.
- 06) Material & Test Report as per EN 10204-2004:3.1.
- 07) Material & Test Report as per EN 10204-2004:3.1.
- 08) Material & Test Report as per EN 10204-2004:3.1.

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