

Material Test Certificate according to EN 10204-2004 : 3.1

Customer : -	Material : ASTM F468 UNS N08825 ED-2023	TC No. : S08/26-XX
SWO No. : -	Date : -	Bar Shape : Round Bar
PO No. : -	Date : -	Bar Size : 20 mm
	RM TC No. : -	Lot No. : G0XX
		TC Date : 04.04.20XX
		INV. No./Date : -

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	Fe	Cu	Al	Nb + Ta	Ti	Co	-
Min. :	-	-	-	-	-	19.50	38.00	2.50	22.00	1.50	-	-	0.600	-	-
Max. :	0.050	1.000	0.015	0.030	0.500	23.50	46.00	3.50	-	3.00	0.200	-	1.200	-	-
Actual :	0.036	0.629	0.008	0.0004	0.171	22.750	41.65	2.960	27.910	2.790	0.056	-	0.649	-	-

Lab TC No.: 25013244XXXX	Lab Name:	Result : Satisfactory
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Heat Treatment Records

Heat Treatment Process	Solution Annealing Temp. °C
Temp. °C Min.:	94X°C
Temp. °C Recorded:	-
Soaking Time:	-
Quenching Medium:	Water quenched

Mechanical Testing Results

Mechanical Properties	Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	% Reduction Area	Hardness (HBW)	Proof Load (Kn)
Specified	Min.	586	241	30	-	-
	Max.	-	-	-	-	-
Actual Results:	643.00	392.00	46.12	-	187, 192, 189	-

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	-	-	STUD BOLT M20-2.5P	60mm	10.00 NOS

Remarks: -
01) Material is as per specification.
02) 100% Visual inspection carried out & found free from defects.
03) Tensile, Yielding & Hardness test carried out as per specification.
04) Impact test as per standard compliance requirements found satisfactory.
05) As per test report.
06) These mechanical test results are valid impact & test report are in order to the Purchase order requirement.
07) All dimensions are as per the specification. (ASME B31.1 & ASME)
08) These mechanical test are as per the requirement of the No. 10 specification.

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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