

Material Test Certificate according to EN 10204-2004 : 3.1

Customer : -	Material : ASTM F468 UNS N06022 (C22)-2023	TC No. : S29/26-XX
SWO No. : -	Date : -	Bar Shape : Round Bar
PO No. : -	Date : -	Bar Size : 17 mm
	RM TC No. : -	Lot No. : -
		TC Date : 13.06.20XX
		INV. No./Date : -

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	Fe	W	V	Co	-	-	-
Min. :	-	-	-	-	-	20.00	-	12.50	2.00	2.50	-	-	-	-	-
Max. :	0.015	0.50	0.020	0.020	0.080	22.50	-	14.50	6.00	3.50	0.35	2.500	-	-	-
Actual :	0.012	0.20	0.012	0.003	0.041	21.67	Rem	13.18	4.29	3.12	0.08	1.312	-	-	-
Lab TC No.: -	Lab Name: -					Result : Satisfactory									

Heat Treatment Records

Heat Treatment Process	Solution Annealing
Temp. °C Min. :	11XX°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 (HRB)	Proof Load (Kn)
Specified	Min. 690	310	45	-	-	-
	Max. -	-	-	-	90	-
Actual Results:	847.68	456.15	53.29	-	86, 88, 86	-

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 M16-2P	100mm	10.00 NOS

Remarks: -
01) Material & Test Spec. as per drawing & standard.
02) 100% visual inspection carried out & found free from defects.
03) Tensile, Yield, UTS & hardness test carried out as per specification 100%.
04) Impact testing & Charpy standard compliance requirements were satisfactory.
05) All test results within tolerance.
06) Material certified from reliable & well known source & is suitable for the purpose for which required.
07) All dimensions are as per the specification. (ASME B18.2.1-2003)
08) Material certified from reliable & well known source & is suitable for the purpose for which required.

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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