

Ananka Fasteners Pvt. Ltd.

Plot No. 14, Survey No. 96 & 97, Ashoka & Hitech Ind. Estate, Golani Naka, Vasai
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Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	SAMPLE MTC	Date :	-	Material :	ASTM B637 UNS N07080 (NIMONIC 80A)			TC No. :	S94/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size :	20 mm	TC Date :	24.05.20XX
PO No. :	-	Date :	-	RM TC No. :	-	Lot No. :	AKF-XX	INV. No./Date	-

Chemical Composition Results %

Elements :	C	Si	Mn	S	Cr	Ni	Co	Ti	Al	Cu	Fe	B	Zr	Pb	Mo
Min. :	-	-	-	-	18.00	-	-	1.80	0.50	-	-	-	-	-	-
Max. :	0.10	1.00	1.00	0.015	21.00	-	-	2.70	1.80	-	3.00	-	-	-	-
Actual :	0.062	0.38	0.28	0.004	19.60	Rem	-	2.35	0.89	-	1.16	-	-	-	-

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

Heat Treatment Process	Stabilizing Temp. °C	Precipitation Hardening Temp. °C	Solution Annealing Temp °C
Temp. °C Min. :	84X°C	69X°C	10XX°C
Temp. °C Recorded :	86X°C	71X°C	10XX°C
Soaking Time :	24 Hr	24 Hr	8 Hr
Quenching Medium :	Aircool	Aircool	Aircool

Mechanical Testing Results

Mechanical Properties	Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	% Reduction Area	Hardness (HV)	Proof Load (Kn)
Specified	Min. 930	620	20	-	-	-
	Max. -	-	-	-	-	-
Actual Results:	1085.27	768.35	24.18	-	-	-

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

Lab TC No.:	XXXX	Lab Name :	XXXX	Result :	Satisfactory
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Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Bolt M20-2.5P, UNS N07080 (NIMONIC 80A)	80 mm	25.00 Nos

Remarks: -

- 01) Material is free from deleterious contaminants
- 02) 100% visual inspection carried out & found free from defects
- 03) Chemical, Mechanical & surface test carried out as per specification 100%
- 04) Material met 100% of standard compliance requirements and actual test results are recorded and verified against the above specification limits
- 05) No weld repair required
- 06) Above mentioned items conform to all required test method as per the Purchase order requirement
- 07) All dimensions are as per TC Specification
- 08) Above mentioned items are in line with the requirements of TC No. 27 (if 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