

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 N07090 (NIMONIC 90)	TC No. :	S95/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar	Bar Size :	20 mm
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	-	15.00	2.00	1.00	-	-	-	-	-	-
Max. :	0.13	1.00	1.00	-	21.00	-	21.00	3.00	2.00	-	1.50	0.02	0.15	-	-
Actual :	0.075	0.40	0.30	-	18.86	Rem	17.85	2.45	1.48	-	0.85	0.008	0.07	-	-

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.:	-	69X°C	10XX°C
Temp. °C Recorded :	-	71X°C	10XX°C
Soaking Time :	-	16 Hr	8 Hr
Quenching Medium :	-	Aircool	Aircool

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.	1180	830	23	25	23
	Max.	-	-	-	36	-
Actual Results:	1257.43	903.16	34.27	39.51	28, 29, 30	-

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 N07090 (NIMONIC 90)	70 mm	15.00 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 need repeat Test/Ins.
- 06) Above mentioned items conform to all required test results as per the Purchase order requirement.
- 07) All dimensions are as per IS Specification.
- 08) Above mentioned items are in line with the requirements of IS 9001:2015, 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