

Material Test Certificate according to EN 10204-2004 : 3.1

Customer : -	Material : ISO 898-1 GR.10.9 ED-2013	TC No. : S03/26-XX.
SWO No. : -	Date : -	Bar Shape : Round Bar
PO No. : -	Date : -	Bar Size : 12 mm
	RM TC No. : -	Lot No. : AKHB/4XX
		INV. No./Date : -

Chemical Composition Results %

Elements :	C	Mn	P	S	B	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min. :	0.25	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-
Max. :	0.55	-	0.025	0.025	0.003	-	-	-	-	-	-	-	-	-	-
Actual :	0.404	0.821	0.013	0.011	0.002	-	-	-	-	-	-	-	-	-	-

Lab TC No.: 24017692	Lab Name : M/s. BMT LAB LLP	Result : Satisfactory
-----------------------------	------------------------------------	------------------------------

Heat Treatment Records

Heat Treatment Process	Hardening Temp. °C	Tempering Temp. °C	Solution Annealing Temp. °C
Temp. °C Min. :	8XX°C	4XX°C	-
Temp. °C Recorded :	8XX°C	5XX°C	-
Soaking Time :	X Hours	X Hours	-
Quenching Medium :	Oil Quenched	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. 1040	940	9	48	32	-
	Max. -	-	-	-	39	-
Actual Results:	1108.250	1026.660	19.49	61.77	32.1, 30.5, 32.7	-
Charpy V Notch Impact Test						
Impact Test Results	Specified Value (J)	27	27	27	AVG Value	Lateral Expansion
	Achieved Value (J)	43	56	53	50.66	Value 1 Value 2 Value 3 Avg. Value

Lab TC No.: -	Lab Name : -	Result : Satisfactory.
----------------------	---------------------	-------------------------------

Item Details

Po Sr.No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Bolt M12-1.75P, ISO 898-1	75mm	50.00NOS

Remarks : -

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