

Material Test Certificate according to EN 10204-2004 : 3.1

Customer : -	Material : EN10083-2 GR. C45 (1.0503)	TC No. : S05/26-XX.
SWO No. : -	Shape : Plate	TC Date : 02.04.202X.
PO No. : -	Size : 3 mm	INV. No./Date : -
	RM TC No. : -	Lot No. : FGL3XX

Chemical Composition Results %

Elements :	C	Mn	P	S	B	Cr	Ni	Mo	Cr+Mo+Ni	Cu	Al	B	Pb	Ca
Min. :	0.42	0.50	-	-	-	-	-	-	-	-	-	-	-	-
Max. :	0.50	0.80	0.045	0.045	-	0.40	0.40	0.10	0.63	-	-	-	-	-
Actual :	0.467	0.722	0.019	0.027	-	0.174	0.029	0.006	0.209	-	-	-	-	-
Lab TC No.: -	Lab Name : -										Result : Satisfactory			

Heat Treatment Records

Heat Treatment Process	Hardening Temp. °C	Tempering Temp. °C	Solution Annealing Temp. °C
Temp. °C Min. :	8XX°C	5XX°C	-
Temp. °C Recorded :	8XX°C	6XX°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.	-	-	-	-	-
	Max.	-	-	-	32	-
Actual Results:	-	-	-	-	29.2, 30.5, 29.2	-
Impact Test Results	Charpy V Notch Impact Test			AVG Value	Lateral Expansion	
	Specified Value (J)	-	-	-	Value 1	Value 2
	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	-	-	Washer M16	-	50.00 NOS

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