ANANKA
AN ISO 9001 : 2015 COMPANY

Ananka Fasteners Pvt. Ltd.

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Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	Sample MTC			**Material :**	ASTM A182 GR. F22 ED-2026			**TC No. :**	S128/26-XX
SWO No. :	-	**Date :**	-	**Bar Shape :**	Round Bar	**Bar Size**	20.0 mm	**TC Date :**	16.08.20XX
PO No. :	-	**Date :**	-	**RM TC No. :**	-	**Lot No. :**	AKF-1XX	**INV. No./Date**	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min. :	0.05	0.30	-	-	-	2.00	-	0.87	-	-	-	-	-	-	-
Max. :	0.15	0.60	0.040	0.040	0.50	2.50	-	1.13	-	-	-	-	-	-	-
Actual :	**0.09**	**0.41**	**0.012**	**0.009**	**0.23**	**2.15**	**-**	**0.93**	-	-	-	-	-	-	-

Lab TC No.:	25185XX	**Lab Name :**	BMT Lab LXX	**Result :**	Satisfactory

Heat Treatment Records

Heat Treatment Process	Normalizing Temp. °C	Tempering Temp. °C	Solution Annealing Temp. °C
Temp. °C Min. :	90X°C	67X°C	-
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	Air Cool	Air cool	-

Mechanical Testing Results

Mechanical Properties		Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	%Reduction Area	Hardness (HBW)	Proof Load (Kn)
Specified	Min.	515	310	20	30	156	-
	Max.	-	-	-	-	207	-
Actual Results:		**627.13**	**382.81**	**41.20**	**53.28**	**167, 168, 171**	-

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.:	128/26-27/XX	**Lab Name :**	AKF LXX	**Result :**	Satisfactory.

Item Details

Po Sr. No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Hex Head Bolt M20 – 2.5P, A182 GR. F22	105 mm	10.00 NOS

Remarks: -

01) [illegible]
02) [illegible]
03) [illegible]
04) [illegible]
05) [illegible]
06) [illegible]
07) [illegible]
08) [illegible]
09) [illegible]

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