

SHREE AMBEY METAL INDUSTRIES LTD.

WORKS E-339A, PHASE IVA, FOCAL POINT LUDHIANA-141010

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.: 1044
Customer:
Invoice No:
Invoice Date: 25.06.2018
Product description: STUD
Size: M 24 X 3.6 MTR
Surface Finish: HDG
Quantity:

1. CHEMICAL ANALYSIS AS PER ISO 898 PART -1 GR 8.8(%)

	C%	Mn%	Si%	P%	S%	B%
Standard Value (min)	0.25	-	-	-	-	-
max	0.55	-	-	-	-	-
Test Value min	0.39	0.61	0.21	0.035	0.035	-
				0.028	0.031	-

2. MECHANICAL PROPERTIES AS PER ISO 898 PART -1 GR-8.8

Test Item	Tensile Strength (min. Mpa)	Yield Stress at 0.2% non proportional elongation (min. Mpa)	Elongation (min. %)	Proof load (kN)	Hardness (HRC)	wedge load (min. kn)
Standard Value	800	640.00	12.00	-	-	-
Test value	875-891	662-671	12.59-13.21	-	22-32	-
				-	28-30	-

3. DIMENSIONAL REPORT (mm)

Test Item		Width across flats (s)	Width across corner (e)	MAJOR DIA	Nominal length (l)	Thread Length (b)
Standard Value	Min.	-	-	23.58	3.6 MTR	FULL THREAD
	Max.	-	-	23.95	-	-
Test Value	Min.	-	-	23.65	3.615	-
	Max.	-	-	23.71	3.688	-

4 SURFACE FINISH HDG.

Test Item	COATING THICKNESS	Surface visual
Standard Value	43 MICRONS	OK
Test Value	72-78 MICRONS	OK

Checked By Amarjeet Singh

