

SHREE AMBEY METAL INDUSTRIES LTD.

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

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.: 1235
Customer:
Order number:
Invoice No:
Invoice Date: 10.08.2019
Product description: HEX SCREW+1 NUT +1 WASHER
Size: M 16 X 50
Surface Finish: SELF
Quantity: 3000 KGS

1. CHEMICAL ANALYSIS AS PER ISO 898 PART-1 GR 5.6

	C%	Mn%	Si%	P%	S%	B%
Standard Value (min)	0.13	-	-	-	-	-
max	0.55	N.A	N.A	0.050	0.060	
Test Value min	0.15	0.52	0.21	0.028	0.031	

2. MECHANICAL PROPERTIES AS PER ISO 898 -1 GR-5.6

Test Item	Tensile Strength (min. Mpa)	Yield Stress at 0.2% non proportional elongation (min. Mpa)	Elongation (min. %)	Proof load (kN)	Hardness (HRB)	wedge load (min. kn)
Standard Value	500	-	-	-	79.00	
Test value	548-562		-	44.00	99.5	
				satisfactory	92-94	

3. DIMENSIONAL REPORT AS PER DIN -933 (mm)

Test Item		Width across flats (s)	Width across corner (e)	Head height (k)	Nominal length (l)	Thread Length (b)
Standard Value	Min.	23.67	26.17	9.82	49.50	FULL THREAD
	Max.	24.00	-	10.18	50.50	FULL THREAD
Test Value	Min.	23.72	27.35	9.85	50.18	FULL THREAD
	Max.	23.88	27.42	10.12	50.46	FULL THREAD

4. SURFACE FINISH SELF.

Test Item	Surface visual
Standard Value	Satisfactory
Test Value	Satisfactory

Checked By: Quality Engineer

Aproved By: Plant Head

Amarjeet Singh

For Shree Ambey Metal Industries Ltd.


Auth. Signatory