



SHREE AMBEY METAL INDUSTRIES LIMITED

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

AN RDSO APPROVED COMPANY

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.:		Standard Reference:	IS 1363 PT-3
Date of testing:		Chemical and Mechanical	IS 1367 PT-6
Customer:		Invoice No.:	
Product description:	HEX NUT	Invoice Date:	
Size:	M 24	Grade :	10
Quantity:	ASSEMBELLED WITH BOLTS	Surface Finish :	HDG
Sample Quantity:	05 NOS.	Thread Pitch :	M 24X3.00

1. CHEMICAL ANALYSIS (%)

	C	Mn	P	S			
Standard Value	0.58 Max.	0.30 Min.	0.048 Max.	0.058 Max.			
Test Value	0.42	0.620	0.026	0.035			

2. MECHANICAL PROPERTIES

Test Item		Hardness (HV)	Proof Load KN	
Standard Value		272 - 353	374.20 Min.	
Test value		295 - 330	OK	

3. DIMENSIONAL ANALYSIS

Test Item		Width Across Flats (s)	Width Across Corners (e)	Nut Thickness (m)			
Standard Value	Min.	35.00	39.55	20.20			
	Max.	36.00	-	21.50			
Test Value		35.35 - 35.80	40.15 - 40.50	20.80 - 21.30			

4. SURFACE FINISH

	GALVANIZING TEST AS PER : IS 1367 PART XIII			
1	Uniformity of Coating: Tested 5 samples for 4 dips of one minute each duration in Copper Sulphate Solution, having gravity 1.186 at temperature $18^{\circ}\text{C} \pm 2$ found Satisfactory.			
2	Weight of Coating: Tested 5 samples found weight of coating between 406 to 448 against requirements of 300 g/m ² individual & 375 g/m ² average, so found Satisfactory.			
3	Adhesion Test: Prying by stout knife on samples, found Satisfactory.			
4	Coating Thickness: Tested with Coat Measure instrument, and found coating thickness between 58 to 64 micron against requirement of 43 micron individual & 54 microns average, so found Satisfactory.			

Checked By

