



SHREE AMBEY METAL INDUSTRIES LTD.

REGD. OFFICE CUM WORKS: E-339A, PHASE IVA, FOCAL POINT LUDHIANA-141010

AN RDSO APPROVED COMPANY

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.: 225-02/22
Date of testing: 21-02-2022
Customer: NORTHERN RAILWAY (GEM)
Invoice No: SAMI/21-22/717
Invoice Date: 23-02-2022
Product description: HSFG WASHER
Size: M20
Quantity: 2000 PCS
Surface Finish: ZINC PHOSPATE
Sample Quantity: 10 NOS

Standard Reference: IS 6649 - 1985
Mechanical Property : IS 6649 - 1985
Chemical Property: IS 1570 PART 2
Grade: 45 C8

1. CHEMICAL ANALYSIS

	C%	Mn%				
Standard Value (Min)	0.40	0.60				
(max)	0.50	0.90				
Test Value	0.47	0.78				

2. MECHANICAL PROPERTIES

Test Item		Hardness (HRC)				
Standard Value		35-45				
Test value		42				

3. DIMENSIONAL REPORT

Test Item		ID	OD	Thickness		
Standard Value	MIN.	22.00	40.40	3.10		
	MAX.	22.52	42.00	4.60		
Test Value	MIN.	22.18	40.76	3.78		
	MAX.	22.41	41.19	4.12		

4. COATING (Zinc Phosphate) TEST AS PER : IS 1367-PT 12

1.Weight of Coating : Tested 10 Samples found weight of coating between 3.00-3.70 gm/m² against requirements of 2.50 to 4.50gm/m² , so found Satisfactory

