

# SHREE AMBEY METAL INDUSTRIES LTD.

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

## INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.: 831  
Customer:  
Invoice No:  
Invoice Date: 07.06.2018  
Order number/Date:  
Product description: HSFG WASHER  
Size: M 30  
Surface Finish: HDG  
Quantity: 3968 PCS

### 1. CHEMICAL ANALYSIS AS PER ASTM F 436 M

	C%	Mn%	Si%	P%	S%	CR%	NI%
Standard Value (min)	0.40	0.50	0.10	-	-	-	-
MAX	0.50	0.80	0.35	0.050	0.050	-	-
Test Value	0.42	0.63	0.18	0.028	0.024	-	-

### 2. MECHANICAL PROPERTIES AS PER ASTM F 436M.

Test Item						Hardness (HRC)
Standard Value	-	-	-	-	-	26-45
Test value	-	-	-	-	-	34-36

### 3. DIMENSIONAL REPORT AS PER ASTM F 436M.(mm)

Test Item		d1	d2	S		
Standard Value	MIN.	33.00	58.10	3.40	-	-
	MAX.	33.60	60.00	4.60	-	-
Test Value	MIN.	33.25	59.21	3.85	-	-
	MAX.	33.58	59.75	4.05	-	-

### 4. SURFACE FINISH HDG.

Test Item	COATING THICKNESS	Surface visual				
Standard Value MIN	43.00	OK				
Test Value	72-90	OK				

Checked By

Amarjeet Singh

