



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.:	0391-22	Standard Reference:	ISO 13918
Date of testing:	02-03-2023	Chemical and Mechanical Property:	ISO 13918
Customer:		Invoice No.:	
Product description:	SHEAR STUD	Invoice Date:	
Size:	M16X100	Grade :	MS
Quantity:	500 Nos.		
Surface Finish:	SELF		
Sample Quantity:	05 Nos.		

1. CHEMICAL ANALYSIS (%)

	C	AI	CEV			
Standard Value	0.20 MAX.	0.020 MIN.	0.38 MAX.			
Test Value	0.17	0.022	0.29			

2. MECHANICAL PROPERTIES

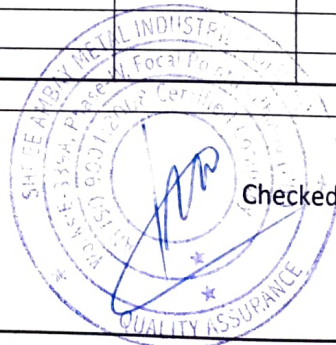
Test Item	Tensile Strength (min. N/mm ²)	Yield Strength (min. N/mm ²)	Elongation % (min.)	BEND TEST		
Standard Value	450	350	15	30° NO CRACK		
Test value	515	395	21	NO CRACK		

3. DIMENSIONAL ANALYSIS (mm)

Test Item		Head Dia (d5)	Shank Dia (d1)	Head Thickness (h3)	Total Length (L1)		
Standard Value	Min.	28.70	15.60	7.50	98.50		
	Max.	29.30	16.40	9.00	101.50		
Test Value		28.75 - 29.15	15.83 - 15.99	7.72 - 8.25	100.20 - 101.30		

4. SURFACE FINISH

Test Item	Surface visual					
Standard Value	NO DENT, BURR					
Test Value	OK					



Checked By