



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.: 0191-22

Date of testing: 01-10-2022

Customer:

Product description: SHEAR STUD

Size: M19X75

Quantity:

Surface Finish: SELF

Sample Quantity: 10 Nos.

Standard Reference: ISO 13918

Chemical and Mechanical Property: ISO 13918

Invoice No.:

Invoice Date:

Grade : MS

1. CHEMICAL ANALYSIS (%)

	C	AI	CEV			
Standard Value	0.20 MAX.	0.020 MIN.	0.38 MAX.			
Test Value	0.16	0.023	0.28			

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	502	398	22	NO CRACK		

3. DIMENSIONAL ANALYSIS (mm)

Test Item		Head Dia (d5)	Shank Dia (d1)	Head Thickness (h3)	Total Length (L1)		
Standard Value	Min.	31.70	18.60	9.50	73.50		
	Max.	32.30	19.40	11.00	76.50		
Test Value		31.80 - 32.10	18.78 - 18.95	9.82 - 10.40	75.10 - 76.35		

4. SURFACE FINISH

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

