

# SLR Metaliks Limited

Sy.No.632, Narayanadevarakere, H.B.Halli, Tq. Bellary District, 583 222

## TEST CERTIFICATE



CUSTOMER NAME		PROCESS ROUTE		BLOOM SIZE (mm)		SUPPLY CONDITION		TC NO.		DATE	
M/S SSB ENGINEERS PVT		MBE-FOF-IR-VD-COM(EMS-AMLC) RMS		200x200		As Rolled		25011642		30.01.2025	
CUSTOMER SPECIFICATION		HEAT NO.		GRADE		SIZE (mm)		REDUCTION RATIO		LENGTH (mm)	
DATA Specifications QF1001, Rev No.02, Dtd: 12.05.2020		53435		20MMGMS		70 DIA		10.39:1		5500 TO 6000	
I. CHEMICAL COMPOSITION		C		Si		Mn		P		S	
%		0.150		0.150		1.000		0.015		1.000	
Min		0.150		0.150		1.000		0.015		1.000	
Max		0.200		0.400		1.300		0.030		1.300	
Actual		0.179		0.222		1.230		0.017		0.022	
II. PHYSICAL PROPERTIES		TENSILE PROPERTIES		(Quenched & Tempered) (ASTM A370)		IMPACT TEST		(Charpy)		HARDNESS	
YS		(MPa)		UTS		(MPa)		% EL		% RA	
Min		930		1230		7		-		-	
Max		-		1570		-		-		-	
Actual		1138		1262		14		44.8		-	
IV. METALLOGRAPHY		INCLUSION RATING (ASTM E43 Method A)		INCLUSION RATING (As per DIN 50602)		GRAIN SIZE		TOTAL DECARB (mm)		MACROSTRUCTURE	
A		B		C		D		DS		S	
T		T		H		T		H		T	
Spec		2.0		1.5		2.0		1.0		0.5	
Actual		1.0		0.5		0		0		0	
V. OTHER TESTS		100% Bars Checked by UT - Found OK		100% Bars Checked by MPI - Found OK & Material is free from surface defects		100% Bars checked for Mn-upt by PMI & Spark - Found OK		Material is free from Radioactive contamination		-	
VI. REMARKS:		Dimension tolerance: as per IS 3739 Grade - 1		Microstructure: Uniform Ferrite + Pearlite		Banding is OK As per UNI 8449		The material is comply with ROHS (Pb, Cd, Hg, Cr+6) permissible limits.		Material is conforming to the customer specification.	
Inspection Certificate as per EN10204:2004, type 3.1		-		-		-		-		-	
Signature		Arshad Khan		Prepared By		NAVEEN M		Reviewed & Issued By		Authorized Signatory	