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



TEST CERTIFICATE

	Inspection Certificate as per EN10204:2004, type 3.1	Material is conforming to the customer specification.	The material is comply with ROHS (Pb,Cd,Hg,Cr+b) Perimasser	Banding is Ok As per UNI 8449	Microstructure: Uniform Ferrite + Pearlite	Dimension tolerence: as per IS	VL REMARKS:	Actual 1.0 0.5 0.5 0 0	Spec 2.0 1.5 2.0 1.0 0.5	т н т н т	AB	INCLUSION RATING (ASTM E45 Method A)	IV. METALLOGRAPHY	Actual 1049 1258 11	Max - 1570	1230	(MPa) (Mpa) %	(Quenche	AL PHISICAL PROPERTIES		_	0.150 0.150 1.000	С	I. CHEMICAL COMPOSITION		DANA Specifications OF1001 Rev. N	CUSTOMER SPECIFICATION	M/S SSB ENGINEERS DATE
Agrical By Prepared By	004, type 3.1	specification.	d,Hg,Cr+6) permission	issible limits.	ite	3739 Grade - 1		0 10	1.0	H	C D	E45 Method A)		15.9 42.8		7	%EL %RA	RTIES ISTM A370)		0.009 0.017 0.029	0.100 0.300	. 2	Cr Mo Ni Al		o.UZ, Dtd: 12.05.2020	Carron	CATION	S PVT
										s 0 s+0		(As per DIN 50602)		38.6		25	V-Notch (2mm)	IMPACT TEST (Charpy)		0.006 0.0029 0.018	0.300 0.0005		V Ti Cu B	-	51963 20MNCR5	HEAT NO. GRADE	MBF-EOF-LRF-VD-CCM(EMS-AMLC)-RMS	PROCESS ROUTE
								0.21	5-8 0.60 Max	(ASTM E112) ASTM E-1077	-	GRAIN TOTAL DECARB		Actual 167-172	Max 240	Min -	As Rolled (BHN)	HARDNESS		0.0003 0.0011 0.0005 0.0010 0.0005	- 0.0010 -		Nb Ca As S	-	CRS 70 DIA	SIZE (mm)	/(EMS-AMLC)-RMS	ROUTE
Mruthyunjaya Reviewed & Issued By								Better Than C2R2S2	+	077 (ASTM E-381)	_	B MACROSTRUCTURE	V. OTHER TESTS	- Actual	- Max	· Min				0.0001 0.0010 0		+	Sb Sn Pb W		10.39:1	REDUCTION RATIO	200×200	BLOOM SIZE
	1							Q.	•	(IS 4075)		STEP DOWN	TS	44.2 41.8 35.4	45.0 44.0	41.0 38.0 32.0	J1.5 J5 J10 J15		III. JOMINY HARDENABILITY (in HRC)	.0001 0.0001 0.0052 0.001 41		atio	Bi Co Z _T AN2R		5910+40	LENGTH (mm)	Ag	SUPPLY
100 July	ZERRO								· Material is free from R	- 100% Bars checked for	L.	UPSET 100% Bars Checked by UT - Found OK		28.3 26.7 25.3	5 33.5 32.0 31.0	270 255 245	J20	(Distance Unit: mm) (Standard : ASTM A255)	JTY (in HRC)	1.20 71.6 15.2 -	2.50 120.0 20.0	(ppm) (ppm) (ppm)	H2 N2		Yellow + Brown	COLOUR CODE	As Rolled	SUPPLY CONDITION
Royald - Rohlan Das Authorized Signatory									Material is free from Radioactive contamination	100% Bars checked for Mix-Up by PMI & Spark - Found OK	100% Bars Checked by MPI - Found OK & Material is free from surface defects	IT - Found OK		'		+		andard : ASTM A255)							SE24Y-10519 6.320	FE	24110909	TC NO.
		,									rom surface defects				. .										4 RI026C3595	BUNDLE VEHICLE	22.11.2024	DATE