

SLR METALIKS LIMITED

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



TEST CERTIFICATE

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cus	CUSTOMER NAME	Æ		P	PROCESS ROUTE	ROUTI		BI	BLOOM SIZE (mm)		ra.	SUPPLY CONDITION	CONDI	NOIT			TO NO.	0.	3	INVOICE NO		DATE
M/S SSB E	M/S SSB ENGINEERS PVT.LTD	VT.LTD.		MBF-E	MBF-EOF-LRF-VD-CCM(EMS- AMLC)-RMS	VD-CCN	1(EMS-		200×200			As	As Rolled				25030093	093	SE	SE24Y-16357	-	03-Mar-2025
CUSTOM	CUSTOMER SPECIFICATION	CATION		HEAT NO.	GRADE	DE	SIZE (mm)	RI	REDUCTION RATIO		(meter)		COLO	COLOUR CODE	DE	Qu	THUNA	QUANTITY (MT)		BUNDLE	VE.	VEHICLE NO.
DANA Specifications QF1001, Rev No.03, Dtd: 14.06.2024	ions QF1001,l 14.06.2024	Rev No.03,Dtd	-	54444	20MNCR5	CR5	80 DIA		7.96:1		5.50 - 6.00		Yello	Yellow + Brown	wn	-	36.270	70		20	R	RJ19GF5010
1. CHEMICAL COMPOSITION	POSITION													el-p							H2	NS OS
% C Si	Mn P	s	Cr N	Mo Ni	Al	-1	<	벍	Cu B	Nb	Ca	As	Sb	Sn	Рь	W	Bi	ઉ	Zr	Ratio (pp	=	0
Min 0.150 0.150	1.000 -	0.015 1.0	1.000		0.020	1	,	,	1		1	1	1	1	•	'	,	١,	-	2.100 -	\vdash	60.0
Max 0.200 0.400	1.300 0.020	0.030	1.300 0.	0.100 0.300	0.050	1	,	- 0.	0.300 0.0005	-	0.0010	1	'	ı		'	,	'	ı	- 2.	2.50 12	120.0 20.0
Actual 0.170 0.252	1.230 0.013	0.024	1.220 0.0	0.007 0.019	0.030	1	0.006 0.	0.0028 0.018		2 0.0005	0.0002 0.0005 0.0006 0.0020 0.0001 0.0013 0.0010 0.0001 0.0004 0.0056	0.0020	1000.0	.0013 0	0 0100	0 1000.	.0004 0		0.001	3.800 1	1.11 70	79.3 15.6
2. PHYSICAL PROPERTIES	ERTIES	AL.									3. JC	3. JOMINY HARDENABILITY (in HRC)	HARDE	NABILI'	ΓΥ (in I	IRC)						
T) (Quench	TENSILE PROPERTIES ched & Tempered) ASTM	TENSILE PROPERTIES (Quenched & Tempered) ASTM A370	70	IMI	IMPACT TEST ASTM E23	ST		/н	HARDNESS		IMOL	NY DIS	TANCE	UNIT:	mm (ST	ANDAF	D: AST	JOMINY DISTANCE UNIT: mm (STANDARD: ASTM A255)	5			
YS . MPa	UTS Mpa	% EL 9	% RA	(Charpy	(Charpy) (V-Notch 2mm) Joules	h 2mm)		As Rolled (BHN)	olled (N)			J1.5	J5	J10	J15	J20 J	J25 J	J30 ·	-		1	•
Min 930	1230	7	•		25		Min	-		,	Min	41.0	38.0	32.0	29.0 2	27.0 2	25.5 2	24.5	-	-		
Max -	1570	-		Á			Max	240	0	'	Max	46.0	44.0	38.5	35.5 3	33.5 3	32.0 3	31.0	<u> </u>			
Actual 1132	1257	17.2	44.1	1,1	49.5		Actual	1 162-167	167		Actual	43.0	41.1	33.2	30.5 2	28.1 2	26.2 2	25.1 -	<u> </u>	-	'	
4. METALLOGRAPHY	AF							Ė		57	OTHER TESTS	TESTS			ay E-	18. F						
II (A	INCLUSION RATING (ASTM E45 Method A)	ATING thod A)		(As P	DIN RATING (As Per DIN 50602)	G)602)	-	GRAIN SIZE	TOTAL DECARB		MACRO- STRUCTURE		STEP	UPSET	1.	100% Bars	Bars Ch	Checked by UT -	y UT -	Found OK	X	
A	В	ם	DS		,				(mm)						2. de	2. 100% E defects	ars Cho	cked by	, MPI -	Found OK	⟨ & free	100% Bars Checked by MPI - Found OK & free from surface defects
ТНТ	нт	н н н		Ω	0	S+0		(ASTM E112)	ASTM E-1077		(ASTM E-381)		(IS 4075)	1	10	0% Bar	s check	ed for N	lix-Up	100% Bars checked for Mix-Up by PMI & Spark -	Spark	- Found OK
Spec 2.0 1.5 2.0	1.0 0.5	0.5 1.0 1.0	1	_				ٽ- ∞	0.60 Max		C2,R3,S3 Max	ax	'	,	M	aterial i	s free fi	om rad	ioactive	Material is free from radioactive contamination	nation	
Actual 1.0 0 0.5	0	0 0.5 0.5	'	,		1		7.5	0.21	-	Better Than C2R2S2	-	OK	,								
6. REMARKS																						
1.Dimension tolerence: as per IS 3739 Grade	ence: as per	IS 3739 Gra	de - 1				ਹੈ			6. Insp	Inspection Certificate as per	Sertifica	ate as p	er ENI	EN10204:2004, type 3.1	004, ty	pe 3.1					
2.Microstructure:	Uniform Ferrite +	rite + Pearlite	ite										00	1								
3. Banding is Ok	As per UNI 8449	8449							100			175	SOT TO	1								
4. The material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits	comply witl	հ ROHS (Pե	,Cd,Hg	g,Cr+6) p	ermissib	de limi	ts.					NG	2	57	*							
5. Material is conforming to	orming to t	the customer specification.	specific	cation.							- Cutno	E	C		1				1			
	*	+ Was							Malled	The same	فالعيش	.5.	ONTE A	3	O IR			disport	1-			
	, 2	Arshad Khan							Mallesh Naik M	Taik M			2	V	~		Pra Autho	Practish Angadi Authorised Signatory	gadi			
Doc No-IMen (o.)	7	Prepared by						,						2								

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