## SLR Metaliks Limited

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



## TEST CERTIFICATE

MAYS SSB  CLSTON  CLSTON  CLSTON  C. D.L. Rew date 01  C. CHEMICAL COMPOSIT					-		100000000000000000000000000000000000000	DE 1000 CO	No. of Street, or other	18 To 18 7 1	B	RI DOM SIZE		K.	-	VOITION V CONTITION	VOITION			-	TCNO	0		1
CUSTONER ST MIS SSS ENGIN CUSTOMER ST MG. DL. Rev MG. DL. Rev date 07 53.2 14.00 1. CHEMICAL COMPOSITION							-	00000	1		-	The second second			36	LITT CO	20110		70 300	-			_	
MJS SSB ENGP CUSTOMER SI No. 01, New No. 01, New date 07,532 3469 1. CHEMICAL COMPOSITION	NAME						PRO	PROCESS ROUTE	9			(ww)	24			As Rolled	B			-	24100965	b	-	26.10.2024
CUSTOMER SE No. 01, Rev no. 01, Rev date 07.03.2 14.00 1, CHEMICAL COMPOSITION	VEERING PV					MBF	MBF-EOF-LRF-VD-CCM-EMS-AMLC-RMS	ID-COM-E	MS-AML	C-RMS		2004/200			1			COLOUR CODE	30	ENVOICE NO.	CE OTH OTH	m BUNDLE		VEBICLE NO.
NO. D. Rev No. O., Rev date 07 D3.2 14.09 1. CHEMICAL COMPOSITION	ECIFICAT	NOI			H	HEAT NO.		GRADE		SIZE (mm)	12 7 1 1	REDUCTION RATIO	1	LENGIA (mm)			(	100		\$247-46317	12.5370	ä		014GL7106
CHEMICAL COMPOSIT	1.03.2021 (Ref Std: 14.06.2024)	DANA OF	1001, Re-	v 03, Dat	ę,	\$0508		35CRMN5	S	AD DIA	_	10.39:1	-	S910+40MM									-	
CHENICAL COSTUM														-			-	-	-	-	· -			
	-	1-	1	2	14	Cu Cu(%)	ž.	H2	02	B(%)	AINZR							3		+				
-	_	_	-	-	_		009			·	12	•	•	-	•	•		-	1					-
Min 0.330 0.250 0.800		1,000	-			000	0.000	250	200	0.0005	·   ·			-			+	-						
Max 0.400 0.400 1.100 0.0	0.020 0.030	1,300 0,100 0,300 0,050	8	200		3 3	300		-	0.0004	9		•	·	•		-	-						
Actual 0.378 0.267 1.080 0.0	0.013 0.027	1.247 0.010 0.016 0.032	010	0 910		0.019 0.00	0.0000	-	-				B	III. JOMINY HARDENABILITY (in HRC)	HARDE	VABILITY	(in HRC)							
II. PHYSICAL PROPERTIES									-										(Distance Unit: mm.)	aft mm)				
Tensile Properties	le Propertie	S TALES				Ed (2)	Impact Test (Charpy)				Hardness			-	_	-	-	-	3	5	130			,
(Quenched &	*	19%	%RA or %Z	ă		ğ	Joules			As Rolled (BHN)	p e			J1.5 J3	_			-		37.5	36.0	,		
(MPa) (Mpa)	-			+			1		Min	ļ.		•	Min	52.5 52.0	210	-	-	_	-	089	- 46.0	'		
Min 685 850		n		+					Max	240	-	•	Max	58.0 58.0	-			-	-	63.0	39.2	ļ.		
Max . 1080		_		+		1	1		Actual	712-012	17		Actual	57.1 56.2	252	28.5	52.6 51.6	7	-					
Actual 972 1045	_	19.7		7	0.00	A STATE OF THE PERSON				76		V. 0T	V. OTHER TESTS	ę.										
W. METALLOGRAPHY												N. A. Carlotte								100% Bars Checked by Manual UT - Found UK	ted by Manual	CT - Found		
Inclusion Rating (ASTM E45-13)	ing (ASTM	E15-13)				In (As	Inclusion Rating (As per DIN 50602)	ting 0602)	5	Grain Size	Total Decarb	Macrostructure	cture	Step Down	Down	Upset		10	% Bars Che	100% Bars Checked by MPI - Found OK & Material is free from surface defects	nd OK & Mater	ial is free fr	om surface d	efects
×	-	ن	۵		ž				1		2201 3 3132	(ASTM E-381)	381)	(15 4075)	(570		-		1001	100% Bars checked for Mix-Up by PMI & Spark - Found OK	r Mix-Up by PM	B. Spark - F	ound OK	
1 2	=	=	۲	H	4	S	0	0+5	(AS)	(7117)			Vax				_			Material is free from Radioactive contamination	rom Radioactive	contamina	tjen	
1.6 20	0.5	20	3	2			_		1	2	0.6%01 0.6		55.05	0	×		_							
0.5	-	0	97	0						1	070	Detret me												
REMARKS:																								
1. Dimension tolerence: as per IS 3739 Grade - 1	39 Grade - 1									-	The state of the s													
2. Microstructure: Uniform Ferrite + Pearlite	Pearlite								1	TIE	100	10												
3. The material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits.	(Pb,Cd,Hg,C)	•6) permis	dible lim	T.				-	1	1	V	1												
4. Reserved is conforming to the customer specification.	mer specific	ation.						-	7	6		11				100								
5. imagnicilion Cartificate as per EN10204;2004, type 3.1	4.2004, fyp	111	1			4		8 8	1	8	Sicila													
								S	7	1	107	CONTRACTOR OF THE PARTY OF THE	The state of the state of the			The second second								
								42	- Secretary	5	12 111111	1000												
	Control of the second control of	and the second of the second	-								1					And the second					67.	1		
		. i									_	1 Table	,								Ranjan Das		378 markey 2 *****	
	Sylvanitari	: } =										MALLESM	á							×	Authorised Signstory	SCOT.		
***	Prepared By	i i										Revered & manca en			The second second									