SLR Metaliks Limited

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



TEST CERTIFICATE

Doc.No:IMSR/QA/70, Rev No.01, Rev Date 24,04,2024						8. Inspection Certificate as per EN10204:2004, type 3.1	7. Material Is conforming to the customer specification.	6. The material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits.	5. The material is complement again (at a second Ok.	5, 100% U	4. 100% A	3. Bandin	2. Microstructure: Uniform Ferrite + Pearlite	1. Dimension tolerence: as per IS 3739 Grade - 1	VI. REMARKS:	Actual 1.5	1	-	7			IV. METALLOGRAPHY	Actual	Max	Min			fi. PHYSICAL PROPERTIES	Actual 0.	-			I. CHEMICAL COMPOSITION				
						on Cerui	l Is confo	terial is c		T done at	PI done	g is Ok As	tructure;	ion toler	ARKS:	5 0.5	-	81	-	24		FALLOG	1033		735	(MPa)		SICAL	0.164 0.2	_	0.130 0.1	1000	MICAL				
						care as p	rming to	omply w		per AST	as per AS	per UNI	Uniform	ence: as		0.5	1	100	4		Inclu	RAPHY	-	1	+		(Quenc	ROPER	0.255 1.220		0.150 1.000	Si N	COMPO	8	cus		N/N
-				1		DET EN10	the cust	th ROHS	1000	M A388	TM E144	8449:198	Ferrite +	per IS 37		0		33		8	Inclusion Rating (ASTM E45)		1162	1370	1030	(Mpa)	Tensile Properties (Quenched & Tempered) (ASTM A370)	TIES	20 0.020		00	Mn P	NOLLIS	QF 1001, Rev3, Dtd 14.06.2024	CUSTOMER SPECIFICATION	TO TOO EDINGHAM FINE FOR	SSR FONGINEEDS DUT
			X			204:2004	omer spe	(Pb,Cd,H	100110	& found	4. 100% MPI done as per ASTM E1444-12 & found Ok.	3. Banding is Ok As per UNI 8449:1983 Grade IV.	Pearlite	39 Grade		0			-		ing (AST		1	+	+		Tensile Properties & Tempered) (AS		20 0.026	20 0.030	0.015	S		3, Dtd 1	SPECIE		CINEED
riebarea by	Property D.	Archad &	Alars			, type 3.	cificatio	g,Cr+6)	,	2				÷			0.5	100		C	FM E45)		16.2		60	۳ %	(ASTM		26 1.025	30 1.100	15 0.800	Cr		1.06.202	ICATIO	27.61	DIAT IT
, va		Tan .	5				7	permissib								1.0	1.0						1		+	2740	A370)		25 0.007	00 0.100	8	r Mo		-	Ž		
								le limits.							100	0	1.0	-	3 30	0	1	National Services	58.0		1	% RA			0.017	00 0.300	-	Z.					
								0.000		1									DS										17 0.027	0.050	0.020	A					
										y in								· ·	,				1			(RT	(Cha		-	0.300	20 .	Cu			Н	l les	
																		0		(As per	Inclusion Rating		38.5		25	(RT) V-Notch (2mm) (Joules)	Impact Test (Charpy) (ASTM E23) (Quenched & Tempered)	1	0.016 0.0005	0.0010		င္မ T		50447	HEAT NO.	MBF-EOF-LRF-VD-CCM-EMS-AMLC-RMS	
																		500		DIN 506	on Ratir				15	h (2mm)			35 89.5	10 120.0	60.0					OF-LRF	
Jameer Basha Reviewed & Issued By						14ne									•		0+8		02)	5 0rd						33		1.06	0 2.50		H2 (ppm)		16MNCR5	GRADE	VD-CCN		
					2000	9	0.0	0	100	1	-						(AST)		Gra			A I	May Min					15.3	20.0		O2 (ppm)		CR.	DE	M-EMS		
		1		2	1	S)	1	0	CINCH!	1				co	2.8	(ASTM E112)		Grain Size			16		The same	As			0.0004			В	ł	00	SIZ	AMLC		
	-		No. of Contract of		4	-/	1	3			312	White seedily				0	0.60			Total Decarb			2173	360	(NH	As Rolled	Har		3.0		2.1	AIN2R atio		80 DIA	SIZE (mm)	RMS	1
	Ì	Q.	1	1000	1	50	5		1	8	1					0.2	0.60 Max	ASTM E-1077		Decarb un)							Hardness		0			,			REDU		T. Carlot
	Jameer I	d	A A	, '×	0	11	7	8	1	0						Better	Ω,	(AS		Мас											a			7.96:1	REDUCTION RATIO	200×200	(mm)
	Basha															Better Than C2R2S2	C2,S3,R3 Max	(ASTM E-381)		Macrostructure	T. OTHER LEGIS	0					2 jul 25 /		v				'n		RATIO	0	
															R252	×	=		ž	_ I E 31	Total and						1										
																		(IS		Stej		1			J1.5			III. JOMINY HA						5820+40	LENGTH (mm)		
																OK.		(IS 4075)		Step Down		20.0	-	-	5	-		AH YN	2	6	•			4	(mm)		
																-						27.0			10	_		RDENAL	•				37				SUPP
																		•		Upset		28.3			15	\dashv		RDENABILITY (in HRC)	•	•						As Rolled	SUPPLY CONDITION
															-	1				T		24.2 23			J20 J	_	6	(in HRC	-	-	•	4		20	CO	e.	OLLIGA
																	1		16			22.4 21.2	27.5 26.5		25 130	J25 J3	istance (+						PINK + GREEN	COLOUR CODE		S.
in the second																		4	0% Bars			-	is.	.0			Jnit: mr	H	-		:				ODE		
		-			1				1								Mate	100% Bars checked for Mix-Up by PMI & Spark - Found OK	Checked	10		ļ,			8	10) (Stan										
Authorized Circuit	Rai	N. N.	0											200		FILE IS ITE	rial is fre		by MPI	% Bars C							dard : AS	-						SE2	Z	1	
1	Ranjan Das	* my as his w	0			1		000									e from R	for Mix-	Found O	hecked b					100		(Distance Unit: mm) (Standard : ASTM A255)							NU. SE24Y-12001	INVOICE		
20000000	6215	i								On special series							adioactive co	Up by PMI &	K & Material	100% Bars Checked by Manual UT - Found OK					30						ly s		-		CLWALLO	24120839	TC NO.
								-									Material is free from Radioactive contamination	Spark - Foun	100% Bars Checked by MPI - Found OK & Material is free from surface defects	- Found OK					91								-	.	BUNDLE		
							-										*	d OK	surface d						v	-		-					-		त्र		
																		efects		Es Th												SETZMOSOUS	NO.	VEHICLE	19-Dec-24	DATE	
														20		1									e.								199	8	E !	24	143