SLR Metaliks Limited

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



TEST CERTIFICATE

							inspe	mate		Band	Micro	Dime	VI. 1	tual	1	+-	-	-		T I	Yax	5		T -	F	Clual	Max	Mia	*	1.0				
							Inspection Certificate as per EN10204:2004, type 3.1	imaterial is conforming to the customer specification.	Material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits.	Banding is Ok As per UNI 8449	Microstructure: Uniform Ferrite + Pearlite	Dimension tolerence: as per IS 3739 Grade - 1	VI. REMARKS:	1.0	+-	+	- >	1		METATION OF THE PARTY OF THE PA	.	930	(MPa)	F	II. PHYSICAL PROPERTIES	0.179		0.150 0	C	I. CHEMICAL COMPOSITION	5	DA		
							ficate as p	orming to	comply w	s per UNI	Uniform	rence: as	S:	-	+	+	+	INCLUSION RATING (ASTM E45 Method A)		-	-	-			L PROP	0.222 1	-	0.150 1	S:	T COM	DATA SPECIFICATIONS GETTOUT, NEW NO.UZ, DIG: 12.05.2020	MA Specifi		
-			\dashv				er EN102	the custo	Th ROHS	8449	Ferrite +	per IS 37:		0.5	╁	-	- B	ION RA	13	7971	1570	1230	(Mpa)	TENSI	ERTIES	1.230	_	1.000	¥	OITISO	Cauons C		WOLSIL	M/S S
							04:2004,	omer spe	(Pb,Cd,H		Pearlite	39 Grade		-	F	=	-	TING (A				-	-	(Quenched & Tempered) (ASTM A370)		0.017	+-		۳	Z	(F1001, R	10013	CUSTOMER SPECIFICATION	M/S SSB ENGINEERS PVT
Prepa	Arsha	Cagn 47	>				type 3.1	cification.	g,Cr+6) pe			-		•	2.0	H	- 0	STM E4		14		7	% E)PERTIE		0.022	_	0.015	S		EV NO.UZ,		CIFICA	VEERS PV
Prepared By	Arshad Khan	Cago	•						ermissible					-	0.5	H	-	5 Method			1		-	S M A370)		1.244	+	1.000	<u>,</u>		Dtg: 12.		NOI	-
									limits.					0.5	1.0	H	- 0	ځ		44.8			% RA			0.006	+-		No.		02020			
-			+											-	1.0	H										0.013	0.300		Z	416				
														Ŀ	Ŀ		Z 									0.027	0.050	0.020	≥		L			10.73 20.73 20.73 20.73
																S		3 6					٧-٧	IMP		Ŀ		,	1		53635	HEAT NO.		
														·	Ŀ	0		(As per DIN 50602)	NOISUL	49		25	V-Notch (2mm) (Joules)	IMPACT TEST (Charpy)		0.006			٧		8	NO.	MBT	
																S+0		N 50602)					3	IS		0.0022			ㅋ				OTERFY	PRO
			-											L		0		ଟ								0.016	0.300	•	ភ		20MNCR5	GRADE	D-CCM(EI	PROCESS ROUTE
														7.5	8.5	(ASTM E112)	9	GRAIN	- 1	Actual	Max	Min	Bir	ja		0.0003 0.0005 0.0008 0.0010	0.0005		₩ ,				MBHEOHIRHVD-CCM(EMS-AMIC)-RMS	JUTE
														L	_	E112)				165-173	240		As Rolled (BHN)			0.0005		•	ş		70 DIA	SIZE (mm)	-RMS	25 17 26 1
												100		0.21	0.60 Max	ASTM E-1077	DECAR	TOTAL		173	٥		N) iled	HARDNESS		0.0008	0.0010		δ.		AIG	(mm)		
R												1		-	Max	E-1077	b (mm)	, A						ONESS			•		As			REDU		BI
Reviewed & Issued By	NAVE OF	1	>											Bette	Ω	(A:		MACR	V.			, .				0.0001			dS.		10.39:1	REDUCTION RATIO	200x200	BLOOM SIZE
& Issued	NAVEEN M	1										an and a second		Better Than CZR2S2	C2,R3,S3 Max	(ASTM E-381)		MACROSTRUCTURE	V. OTHER TESTS							0.0009			Sn	1		RATIO		IZE
By														ZR252	xe	81)		TURE	TESTS	Actual	Max	Min				_			2	1 - 3				
												T STATE						~ ~		44.4	46.0	41.0	J1.5		INOr 'III	0.0010 0.0001			*		5500	LENG		
							corp	-				A 11 18 14 14 14 14 14 14 14 14 14 14 14 14 14		Ŗ		(IS 4075)		STEP DOWN		41.6	44.0	38.0	55		INH AN	0.0001		100	B.		5500 TO 6000	LENGTH (mm)		
			,		3	Series .	3	5/	(G)	1						,		Z		34.7	38.5	32.0	J10	P. Belletine	INY HARDENABILITY (in HRC)	0.0001 0.0062		, (C.					
				and the same of th	OF	MEL		2		TO BE								=		30.9	35.5	29.0	JIS		штү (0.001		. !	7.				As	UPPLY
			1 1 0		2		1			EERS (O	Tack (pr)						OFFI	ee-		28.8	33.5	27.0	J20	2	HRC)	3.6	. !	tio	AINZRa				As Rolled	SUPPLY CONDITION
		1	7	- A	7	2	ب ا	2	$\stackrel{\checkmark}{\searrow}$	0		100			Materia	100% B	100% B	100% B		26.6	32.0	25.5	J25	(Dista		1.58	2.50	(ppm)	The Course Title		Yellow	COLO		NOL
			1	3.3.10	E	A.	1		17						al is free f	ars check	ars Check	ars Check		25.4	\dashv	24.5	J30	ance Unit		-+	120.0		- 42		Yellow + Brown	COLOUR CODE		
													E X		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	100% Bars Checked by UT - Found OK						(Distance Unit: mm) (Standard: ASTM A255)		_	20.0	(ppm)				Е		
		-													oactive c	x-Up by P	1 - Found	-Found 0						Standard		\top								
Autho	, ; ;	C													ontamina	MI & Spa	OK & Ma	×						: ASTM A			. .			T	282	DAM		
Authorised Signatory	Sandan Das	0													tion	rk - Found	terial is fr			•		-		255)		,	. ,				SE24Y-14508	INVOICE NO.		
atory	•															OX	ee from s										. .					E E	25011642	TC NO.
		-															urface de			+	1	1				_				T		BUNDLE		
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