

## SLR METALIKS LIMITED

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



## TEST CERTIFICATE

CUSTOMER NAME									PROCESS ROUTE						BLOOM SIZE			SUPPLY CONDITION						TC NO.			INVOICE NO.			
M/S SSB ENGINEERS PVT.LTD.									MBF-EOF-LRF-VD-CCM(EMS- AMLC)-RMS					200x200			As Rolled						25020354			SE24Y-15010			10-Feb-2025	
CUSTOMER SPECIFICATION HEAT NO.									250	GRADE SIZE (mm)			REDUCTION RATIO			LENGTH (meter)		COLOUR CODE				QUANTITY (MT)			BUNDLE			VEHICLE NO.		
DANA Specifications QF1001, Rev No.03, Dtd: 14.06.2024								53	926			70 D					5.50 - 6.00		Yellow + Brown				32.		16			NL01AB3479		
1. CH	EMICA	L COM	POSIT	NOI		Trans.		Alba Y			2200										ķi ji i							13-1		
% -4	C	Si	Mn	F		S	Cr	cM	Ni	Al	1-	V	Ti	Cu	В	Nb	Ca	As	Sb	Sn	Pb	W	Bi	Co	Zr	AIN2 Ratio	H2 (ppm)	N2 (ppm		
Min	0.150	0.150	1.000	0 -		0.015	1.000	-	-	0.020	-	-	-	81	· · ·	-	-	-	-	-	-	-	-	-	-	2.100	-	60 0		
Max	0.200	0.400	1.300	0.0	20	0.030	1.300	0.100	0.300	0.050		-	-	0.300	0.0005	-	0.0010	-	-	-	-	-\		-	-	-	2.50	120.0	0 20.0	
Actual	0.176	0.255	1.240	0.0	014	0.024	1.285	0.010	0.016	0.030	-	0.006	0.003	5 0.018	0.0003	0.0007	0.0006	0.0010	0.0003	0.0005	0.0010	0.000	1 0.0001	0.0049	0.001	3.700	1.14	81 4	15.2	
2. PH	YSICAI	PROP	ERTIE	ES							Mar.		19				3. J	OMINY	HARD	ENABII	LITY (in	HRC								
	(	TENSILE PROPERTIES IMPACT TEST (Quenched & Tempered) ASTM A370 ASTM E23											HARDI	NESS		JOMINY DISTANCE UNIT: mm (STAI							STM A	255)			Q-			
	YS MPa		UTS Mpa		% EL		% R.	A (	Charpy)	(V-Notch 2mm Joules		)		s Rolled (BHN)				J1.5	<b>J</b> 5	J10	J15	J2C	J25	J30	-	- [		-	-   -	
Min	93	930		1230		7	-	1 15	25			M	Min -			-	Min	41.0	38.0	32.0	29.0	27.0	25.5	24.5	-	-	-	-	-   -	
Max		- 1570		70			-		-			Max		240	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Max	46.0	44.0	38.5	35.5	33.5	32.0	31.0	-	-	-	-	-   -	
Actual	100 111 100								ual	160-166			Actua	43.5	42.5	34.5	31.6	29.3	27.4	26.5	-	-	-	-	-   -					
4. ME	IETALLOGRAPHY INCLUSION RATING DIN RATING GRAIN TO										mor II		5. OTHER TESTS																	
			(ASTM E45 M					(A		er DIN 5			SIZ	IZE DECARB (mm)			MACRO 'RUCTU		STEP DOWN				00% Bars Checked by UT - Found OK							
	A		B C		D		D	S		- 1													100% Bars Checked by MPI & Material is free from surface feets							
	ТН		т н т		Н	Н	Н	12	S	0	S+0	-0	(AST E11:		ASTM E-1077		(ASTM E-3		IS 4075)		-	100%	% Ba <mark>rs checked for Mix-Up by PMI &amp; Spark - Found OK</mark>							
Spec	2.0	1.5 2.0	1.0	1.0 0.5 0		1.0	1.0 -	STATE STATE	- N N		-	5-8 0.		0.60 Ma	x C2,	,R3,S3 1	Max			- Mate		erial is free from radioactive contamination								
Actual	. 1	0 0.5	0	0 0 0 0.5		0.5	0 -	in the		- 1					0.23		C2B2S	ter Than 2R2S2 OK		-			4							
	MARK		2/2		1 197	11											OZIII.ZU									N al Co		0 -		
							Grade					Town or				6. Insp	ection	Certif	cate as	per El	N10204	:2004	, type 3.	1						
2.Mi	crostri	cture:	Unifo	rm F	errit	te + P	earlite						Karja.	Charles .					T MAYEL							e				
3. B	anding	is Ok	As pe	r UN	I 84	149								adia, a	Table 1	1 90 7 5 4		138 11					William			- 1				
										ermissi	ble lim	its.							NE	ERS	(P.) ()	`.	1				<u></u>			
5. N	lateria	is con	formi	ng to	the	custo	mer sp	ecificat	ion.								To The		10/5	N.	51	<del></del> -					1-24	c		
	A WING M		4		A	Kha	Ω							٨	1allad			/	Ш /	MAGE	Now V	A.1.	9	Paris	Dr		and the same of the same of	All ine		
esi -		*400.20				had Kh	an								allesh Na				S ME	Ly JAN	(2)	18		Ranjan			·	000	Maria	
Doc.N	o:IMSB	104/7			Pre	pared F	3y 24.04.20			3.					wed & I		у		0	Dr. 60	1	\$1	Aut	horised		r,v			350	
		1 -612/1	, Kev	No.01	,Rev	Date:	24.04.20	J24											5 19	3 M.L.	A AL	1	1							