## SLR Metaliks Limited

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



## TEST CERTIFICATE

Actual	Spec					Actual	Max	Min	Tensile	Test Condition			Actual	Max	Min		Actual	Max	Min	%								CUSTOMER		
2.0	2.5	-1									ion		1.20	2	1	H2(ppm)	0.20	0.22	0.17	С				SUPP				VIER		
1.0	1.0	I	> :			1			13				85.6	90	1	N2(ppm)	0.24	0.40	0.15	Si			AS ROLLED	SUPPLY CONDITION	As per	CU				
1.0	2.0				Inclusion F									15.8	20	,	O2(pɔɪn)	1.23	1.40	1.10	Mn	Mn			TION	Sale Order	STOMER S			
	1.0	I		В С	Inclusion Rating (As per ASTM E-45)	r	,		'	3711			0.62			A	0.022	0.035		-	,				As per Sale Order No:RP17Y-00776	CUSTOMER SPECIFICATION		_		
	2.0	-					-	+		0/E			-		,	D	0.025	0.035	0.015	U	,			RE	-00776			Unique Forging		
	1.0	7	=			•		,		%RA			7			Bso:	1,064	1.30	1.00	2	?		10.1:1	REDUCTION RATIO				ing		
1.0	2.0	3 -	7	D						Impact					1	,	0.013		,	1	Mo			АТІО						
-	T.0	3 =	E					,		Impact Strength (J)			1			1.	0.017	0017			Z.			4	1	HE				
			Grain Size (ASTM E112)		<u></u>	BHN	DOM	DUN		) Hardness				1.			0.00	0.031	0.040	0.000	2		4610			HEAT NO				
6		68			rain Size	183-188	200	770		ss Rolled			-				1			1	Sol Al							BF-EOF-LRF-VD-CCM-RMS	PROCES	
0.20		0.25 Max		(mm)	Decarb	,				Quench		FH						0.006			٧	유		20MnCr5		0.00	GRADE	-VD-CCM-R	PROCESS ROUTE	
-		ax -	b Banding (Microns)				Jominy Values (In HRC)		5	-		-			1.		0.0017			=	MICAL		51				MS SM			
-			ng Step			00:0		40	TT		J4/16"	PROPE			-	-	+	0.016	, ,	. E	Cu	CHEMICAL COMPOSITION			n	(	SECTI	20	BLOOM	
				5		+					-	KIES	PHYSICAL PROPERTIES	-		,			0.0004			8	SITION		63 RCS		SECTION (mm)	ON (mm)	200X200	BLOOM SIZE (mm)
			Macro etch (ASTM E-381)													1	0.001			Nb		-			1	NO OF	INVO			
	Better				+				,								0.0012			೭			'	2		NO OF BUNDLES	INVOICE NO	RUCK NO		
	Better than C2,R2,S2	C2R2S2				-	,			1								0.0014			As		-							
F	,S2 OK																1	0.0016		1	Sb			4.170			QUANTITY (Mt)	SE17		
				FREE FROM RADIOACTIVE ELEMENTS				1	-					-	,			0.0012		,	Sn						Mt)	SE17Y-14535		
		FREE FF	175		DONE	SURFACE DEFECTS					-	<			1		,	0.002			Pb		-							
							-1							,	i.		,				٤			Half				DATE	TCNO	
		FREE FROM DEFECTS							-					,						1	0.0			Half Red Half White with blue dot	COLC		LENGT			
		TS									-					,		0.004			6	7		thite with b	COLOR CODE	4-6	LENGTH (IN Mtr)	29.0		
								-		1	,							0.001				7,		lue dot				29.03.2018		
										+	1				-					,										

DOWN -G

Material is conforming to the customer specification.

REVIEWED AUTHORISED SIGNATORY
OK Sign. USPADate 2 JUH 8 CM. WALVEKAR

SECTHARAMA.K
Doc.No:IMSR/QA/70,Rev.no.01,date:01.02.2018