SLR Metaliks Limited

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



TEST CERTIFICATE

cus	CUSTOMER			Techi	Technofour Engineers	ineers				PROCES	PROCESS ROUTE		SLOOM SIZE (mm)	ZE (mm)	TRUCK NO	(NO		MH21AB2727	72728		TCNO		1802876	9	
					2				B	EOF-LRF-1	BF-EOF-LRF-VD-CCM-RNIS	S	200X200	200	INVOICE NO	ENO		SE17Y-12938	2938		DATE		26.02.2018	18	
		ט	CUSTOMER SPECIFICATION	PECIFICATION	NO			HEA	HEAT NO		GRADE		SECTION (mm)	(mm)	NO O' BUNDLES	JNDLES	On	QUANTITY (ME)				LENGTH (IN MM)	MM)		
24																					-	4-6			
	SUP	SUPPLY CONDITION	TION		REL	REDUCTION RATIO	ATIO	43	4390		SAE8520		50 DIA	IA.	13			26.070				COLOR CODE	DE		
		AS ROLLED				20.4:1			-												White Base	White Base One Green & One Yellow strip	A One Yello	w strip	
											CHEM	CHEMICAL COMPOSITION	MPOSIT	NOI											
%	O	Si	Mn	Ь	S	ò	Mo	N	A	Sol Al	>	F	3	20	Nb	cs	As	Sb	Sn	Pb	M	iā	9	Zr	
Min	0.17	0.10	09.0		0.020	0.35	0.15	0.35	0.520		1			1									,	,	
Max	0.23	0.25	0.95	0.035	0.035	0.65	0.25	0.75	0.040				,					-10			1	,		,	
Actual	0.19	0.19	0.84	0.012	0.031	0.567	0.201	0.462	0.026		0.004	0.0012	0.022	0.0005	0.0009	0.0011	0.0019	0.0013	0.002	0.002	0.0043	0.0001	0.0047	0.001	Ι.
	H2(ppm)	H2(ppm) N2(ppm)	O2(ppm)	CE	Ю	Bsol		,		•		×										+	+		Τ.
Min		,				,				•		1.				7.					,				
Мах	3	96	25					7								*					,	,	1		,
Actual	1.56	86.9	17.2	0.51		,	,	i					i					16			1.				
											PHYS	PHYSICAL PROPERTIES	OPERT	IES											
Test Condition	tion													Is											T
Tensile	YS	S	UTS	S	%EL	%RA	Impact Strength (J) Hardness	ength (J)	Hardness	Rolled	Quench		14/16"									-	-	-	Ţ.
					1	-	-	1																	

Dimension tolerence as per IS 3739 Grade-I.

0.5 1.0 I

> 2.0 2.5

Material is conforming to the customer specification. Uniform Pearlite + Ferrite. Remarks:

(personal

Free from Radioactive Elements 100% MPI, UT & SPARK DONE

SURFACE DEFECTS

FREE FROM DEFCCTS

OK

Better than C2,R2,S2

0.19

8--9

1.0 I 0

> 2.0 1.0

1.0 I

2.0

1.0

2.0 1.0

Spec Actual

I

C2R252

Macro etch (ASTM E-381)

UPSet

Step

Banding (Microns)

Decarb (mm)

Grain Size (ASTM E112)

35 39 37.7

Jominy Values (In HRC)

BHN 184-189 250

Inclusion Rating (As per ASTM E-45)

Actual

Min Max

BHN BHN

AUTHORISED SIGNATORY C.M.WALVEKAR

PREPARED BY
SEETHARAMA.K
Coc.No:IMSR/OA/70,Rev.no.01,date:01.02.2018