SLR METALIKS LTD





TEST CERTIFICATE

CLICT	OMED	\/E	COM	MEDCI	ΛΙ \/EI	שורו במ	TIVALL	ED.	PROCESS ROUTE				BLOOM SIZE (mm)			TRUCK NO		PB11BY4025				TC NO 1805593				
CUSTOMER VE COMMERCIAL VEHICLES LIMI					LIIVIII	בט	BF-	BF-EOF-LRF-VD-CCM-RMS			200X200		INVOICE NO			SE18Y	-02027		DATE	DATE 14.05.2018						
		cus.	TOMER S	PECIFICA	TION			HEAT NO			GRADE SECTIO			N (mm)	NO OF E	BUNDLES	QU	ANTITY (Mt)	LENGTH (IN Mtr)						
-																				4 TO 6						
SUPPLY CONDITION REDUCTION RATIO						733			20MnCr	5	56 DIA		2		4.620			COLOR CODE								
AS ROLLED 16.2: 1																			Half red half white with Blue dot							
											CHEM	ICAL CO	МРО	SITION	l											
%	С	Si	Mn	Р	S	Cr	Мо	Ni	Al	Sol Al	V	Ti	Cu	В	Nb	Ca	As	Sb	Sn	Pb	w	Bi	Co	Zr		
Min	0.17	-	1.10	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max	0.22	0.40	1.40	0.035	0.035	1.30	-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Actual	0.20	0.197	1.13	0.018	0.032	1.105	0.006	0.015	0.024	-	0.007	0.0011	0.013	0.00025	0.0006	0.0016	0.0014	0.00028	0.00053	0.001	-	-	0.0058	0.001	-	
	H2(ppm)	N2(ppm)	O2(ppm)	CE	DI	Bsol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max	3	90	25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Actual	1.72	79.0	17	0.582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
											PHY	SICAL P	ROPE	RTIES												
Test Cor	dition																									
Tensile	Υ	YS		UTS		%RA	Impact S	trength (J)	Hardness Rolled		Quench		J4/16"	-	-	-	-	-	-	-	-	-	-	-	-	
Min		-	-		-	-		-	BHN	-	-	Jominy Values	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max		-	-		-	-		-		220	-	(In HRC)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Actual	Actual -		-		-	-		-	BHN	161-165	-		38.9	-	-	-	-	-	-	-	-	-	-	-	-	
Inclusion Rating (As per ASTM E-45)									,									SURFACE DEFECTS								
	А		В		С		D		Grain Size (ASTM E112)		Decarb (mm)		Step Down	UP	Set	Macro etch (ASTM E-381)		100% UT & MPI & SPARK DONE								
	т	н	T	Н	T	Н	Т	н			()	(1111010115)	20011			, , , , , , , , , , , , , , , , , , , ,		FREE FROM RADIOACTIVE ELEMENTS								
Spec	2.5	1.0	2.0	2.0 1.0		1.0	2.0	1.0	1.0 6-		-8 1% of dia Max		-		-	C2R2S2		FREE FROM DEFECTS								
Actual	2.0	1.0	1.0	-			1.0	-		6 0.19		-	-		-	Better than C2,R2,		OK								
Remarks:	Dimensio	n tolerenc	e as per IS	3739 Grad	de-I.	•			•		•			•				•								

Remarks: Dimension tolerence as per IS 3739 Grade-I



