SLR METALIKS LTD





TEST CERTIFICATE

CLICT	OMED	VE (COMN	/IERCI	AL VE	HICLE	S LIM	ITED	PROCESS ROUTE				BLOOM SIZE (mm)) TRUCK NO		PB05S9546				TC NO 18051011					
CUST	OMER								BF-EOF-LRF-VD-CCM-RMS				200X200		INVOICE NO		SE18Y-02505				DATE 25.05.2018					
CUSTOMER SPECIFICATION HEA										AT NO GRADE				ON (mm) NO OF BUNDLES		QUANTITY (Mt)				LENGTH (IN Mtr)						
																					4 TO 6					
SUPPLY CONDITION REDUCTION RATIO					57	744		20MnCr5			75 RCS		5		10.950			COLOR CODE								
AS ROLLED 7.1: 1																		Half Red Half White with Blue Dot								
CHEMICAL COMPOSITION																										
%	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	0.15	1.10	-	-	1.00	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
Max	0.22	0.40	1.40	0.035	0.035	1.30	-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
Actual	0.17	0.24	1.13	0.013	0.026	1.019	0.007	0.017	0.025	-	0.005	0.0018	0.017	0.0004	0.0011	0.0009	0.0014	0.0009	0.0013	0.001	0.0018	0.0002	0.005	0.001	-	
	H2(ppm)	N2(ppm)	O2(ppm)	CE	DI	Bsol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max	2	90	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
Actual	1.42	88.3	15.8	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
PHYSICAL PROPERTIES																										
Test Cor	ndition																									
Tensile	Y	YS		UTS		%RA Impac		Strength (J) Hard		Rolled	Quench		J4/16	-	-	-	-	-		-	-	-	-	-	-	
Min		-		-		-	-		BHN	-	Jominy		-	-	-	-	-	-		-	-	-	-	-	-	
Max		-		-		-	-		BHN	220		Values (In HRC)		-	-	-	-	-	-	-	-	-	-	-	-	
Actual				-				-	BHN	178-182		(,	35	-	-	-	-	-	-	-	-	-	-	-	-	
Inclusion Rating (As per ASTM E-45)										,										SURFACE DEFECTS						
	А		В		С		D		Grain Size (ASTM E112)		Decarb (mm)	Banding (Microns)	Step Down UP		PSet Macro					100% UT & MPI & SPARK DONE						
	т н		т н		т н		Т	Н			()	(IVIICI OIIS)	Down			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			FREE FROM RADIOACTIVE ELEMENTS							
Spec	2.5	2.5 1.0		2.0 1.0		1.0	2.0	1.0		8	1% of dia Max	-	-		- C2R2S2		252	FREE FROM DEFECTS								
Actual	2.0	2.0 1.0		1.0 -		-	1.0	-	7		0.22	-	-		_ Better tha		n C2,R2,S2			ОК						
	Dimensio	n tolerenc	e as per IS	3739 Gra	de-I.																					

Dimension tolerence as per IS 3739 Grade-I.

Remarks: Uniform Pearlite + Ferrite.



PREPARED BY CHANDRASHEKAR B

