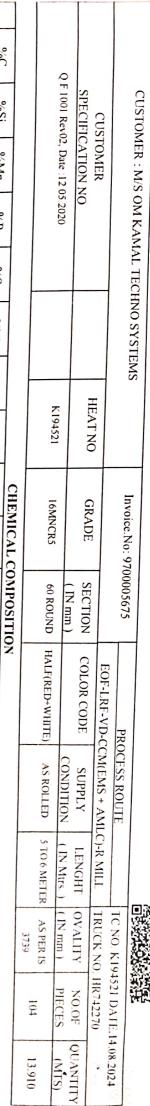


## KALYANI STEELS LTD - HOSPET DIVISION

Hospet Road, Ginigera - 583228 Taluka & Dist : Koppal, Karnataka. Telphone: 08539 - 286603-08 (6lines) Telefax: 08539 -286611

TEST CERTIFICATE



		-	0,40	3			0.18010			(	_
			0.2330	2110			150/0 400			100	
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REQ 0.130/0.

ACT 916.00		REQ 735 00Min 1030 00/1370 8 00Min		3	_						ACT 0.1590 0.2530	
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1227.00		030 00/137/		(NMM)						-		
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44.0	2444			J1.5mm				MEC		0.0120		
39.0	34.3/40.3	3 5 10 5		J1.5mm J5mm				HANICA		0 0120 0 0230		
30.5				J10mm				MECHANICAL PROPERTIES				-
28.0	29/35 25/31.5 22.5/29 21/27.5 20/26.5			J15mm				RTIES				
25.0	22.5/29			J20mm		JOMIN				70 000		XVIVOC 7 I XEIMO 07 I OZI ZO DO ZI
22.5	21/27 5			J25mm		YVALL				70 000   10 000   1 370		ZO OMEX Z
21.5		+	J15mm J20mm J25mm J30mm			JOMINY VALUES (HRC)				1370	+	DOMAX
	-	$\dagger$	_		,	٥				J.		
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## METALLURGICAL PROPERTIES

REM	ACT	REQ	REQ									
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REMARKS. I BLOOM SIZE 200X200MM2 REDUCTION RATIO 1 14 14	NA	NA				IESI	1	NAOO		SIEP		
	<c2 r3="" s3<="" td=""><td>C2R3S3Max</td><td></td><td></td><td></td><td>E-381)</td><td></td><td>KESULIS(ASIM</td><td>DECLIE TO LOT</td><td>MACRO ETCH</td><td></td></c2>	C2R3S3Max				E-381)		KESULIS(ASIM	DECLIE TO LOT	MACRO ETCH		
CATIO I 14	1.5	2.0		T		A						
44	0.5	1.5		Н								
5 REO ALINO 2 I MIN ACT 3 28 6 REO SC E 0 65MX ACT 10 575	0.5	2.0		_	3	В	В		Metho			
	0.0	1.0		Н		0		Method 'A' Plate I(Worst Fields)				
	0.0	0.5		T								
	0.0	0.5		Н				M - E - 45 Fields)				
	1.0	1.0		-		D			,	_		
	0.5	1.0		Ξ								
	7.0	5 to 8				E-112)		(ASTM	0.0	GRAIN SIZE		
	OK	OK	(HRC)			I EVEL (mm)		DEFECT		SUBEACE		
	NA	NA		(HRC)	COLCORNO	COIL OF TENCH	COUNTRICAL	HADDNESS	CONT	COBE		
	NA	NA.			MESULIS	DECI II TO	1631	TST	CESET	IDCTT		
	66.9	8 60 mm Mx			TA HIM		DECARBURIZATION	DEC ABBURDIE ATION	I U I AL DET III UF	TOTAL PROPERTY.	からない ないない はいはい 日本の日本日本	

- 2.MPI TEST 100% DONE & FOUND OK
- 3.BANDING OK AS PER UNI 8449(A MAX OF GR-4 IS ACCEPTABLE)
- 4 ULTRASONIC TEST: 100% DONE AS PER ASTM A-388, 4MM FBH



8 TENSILE/CHARPY TEST AS PER UNI EN10002-1 UNI EN 10045-1. 7."MATERIAL FREE FROM RADIO ACTIVE CONTAMINATION".

9 JOMINY TEST: ASPER ISO642, DECARB TEST: AS PER ASTM E1077





PREPARED BY

OF NO.HS / GA/ 10.01 TIG Ray 01 Tid - 23 m2 2014 ...

AUTHORISED SIGNATORY

K POMESHIS GM.OAD)