



VASHIKHAPATNAM STEEL PLANT  
QUALITY ASSURANCE & TECHNOLOGY DEVELOPMENT DEPARTMENT  
VASHIKHAPATNAM -530031 (A.P)

Date : 02/02/2023



CML-2336649

## TEST CERTIFICATE

Batch No. : 552L  
Material : CK45  
Section : 569  
Qty : 1300 Kgs  
Supplier : Shivom Trading  
WAGONTRUCK TRAILOR No. :  
SteelMill : V.S.P  
R.R. WEIGHT (TONS) : 42.120

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DETAILS		CUSTOMER/DESTINATION	
T.C.NO:	QMS/R/QAD/RM/47/2024-25/9000/00214101	DATE:	26.10.2024
INV NO:	8024986805	NH 27 Survey no. 192 Plot no. 3 Opp. P. S. Plywood Gondal Rd, Veraval Shapar, Rajkot, Gujarat, India	
DATE:	26.10.2024		

I F C E R T I F Y T H A T T H E M A T E R I A L D E S C R I B E D B E L O W F U L L Y C O N F O R M S T O I S 1 8 7 5 - 1 9 9 2 C H E M I C A L C O M P O S I T I O N O F T H E P R O D U C T , A S T E S T E D I N A C C O R D A N C E W I T H T H E S C H E M E O F T E S T I N G A N D I N S P E C T I O N C O N T A I N E D I N T H E B I S C E R T I F I C A T I O N M A R K S L I C E N S E N U M B E R C M L - 2 3 3 6 6 4 9 A R E A S I N D I C A T E D A G A I N S T E A C H O R D E R N U M B E R

PLEASE REFER TO IS 1875 - 1992 FOR DETAILS OF SPECIFICATION REQUIREMENTS

CHEMICAL COMPOSITION														COLOUR	GRADE				
LOT NUMBER	NOMINAL COHS/ SIZE (mm) BUNDLES	C	MN	P	S	SI	Total	CR	CU	V	Ti	B	NI	MO	CE	N2	CODE	IS_Grade	Equivalent
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm			
24D02468	56	0.475	0.700	0.023	0.007	0.230	0.020	0.017	—	—	—	—	—	—	—	0.595	+	GREEN+BROWN	IS1875-4508
																			CK45

## HEAT /

LOT NUMBER

MECHANICAL PROPERTIES

RA

BEND TEST

RE-BEND TEST

HEAT / LOT NUMBER	YS (N/mm <sup>2</sup> )	UTS (N/mm <sup>2</sup> )	EL %	BEND TEST %	RE-BEND TEST %	METALLURGICAL PROPERTIES		HARDENABILITY				AS ROLLED	MACRO ETCH	SPARK				
						A	B	C	D	DECARB	URSATI							
24D02468	369,000	659,000	16,000	—	—	6.7	—	0.5000	—	1.5000	0.4500	—	—	—	183.0000	1.0000	1.0000	2.0000

THE MATERIAL SUPPLIED CONFORMS TO THE STANDARD ROLLING AND MASS TOLERANCES

## TC ISSUED BY :

Shivom Trading Co. (Shapar)  
QTY. 1300 KG 11PC  
Inv. No. ST2425-1222  
Date : 21/11/2025

*[Signature]*  
FOR QA & TD

VASHIKHAPATNAM STEEL PLANT  
R.I.N.L

AVERAGE WEIGHT OF EACH BUNDLE/COIL/BILLET/BLOOM IS 5.265 TONS APPROXIMATELY  
MANUFACTURING ROUTE: BOF-LF/IRUT-CCM-ROUND  
REDUCTION RATIO: 16.24 : 1

*552V*