



KALYANI STEELS LTD - HOSPET DIVISION
Hospet Road, Gimigera - 583228 Taluk & Dist : Koppal, Karnataka.
Telephone : 08539 - 286603-08 (6lines) Telefax : 08539 -286611
TEST CERTIFICATE



CUSTOMER : SANJEEV AUTO PARTS MANUFACTURERS		Invoice No: 9700005720		PROCESS ROUTE				TC NO. K195389 DATE: 13.09.2024	
CUSTOMER	HEAT NO	GRADE	SECTION	COLOR CODE	SUPPLY	LENGTH	OVALITY	NO.OF	QUANTITY
SPECIFICATION NO	K195389	Z7B	(IN mm)	HALF RED+YELLOW	CONDITION	(IN Mtrs.)	(IN mm)	PIECES	(MTS)
ZE 7B Issue 2021-07			65 ROUND	AS ROLLED	4 TO 6 METERS	AS PER IS	3739	155	9.660

CHEMICAL COMPOSITION													
%C	%Si	%Mn	%P	%S	%Ni	%Mo	%Cr	%Cu	%Al	%Sn	%V	N ₂ ppm	O ₂ ppm
REQ 0.140/0.150	0.300Max	1.200/1.500	0.025Max	0.010/0.025	0.300Max	0.080Max	1.100/1.400	0.300Max	0.050/0.090	0.030Max		90.0Min	25.0Max
ACT 0.1750	0.2750	1.2090	0.0120	0.0240	0.1820	0.0590	1.2160	0.1030	0.0330	0.0010	0.0036	116.000	9.000
JOMINY VALUES (HRC)													
MECHANICAL PROPERTIES													
TENSILE VALUES													
TENSILE VALUES				IMPACT		HARDNESS		JOMINY VALUES (HRC)					
YS	UTS	%EL	%RA	STRENGTH (IZOD/CHARPY)		(BHN)		5mm	10mm	125mm	150mm	D.I.	
REQ								39/44	35/40	27/32	24Min		
ACT								43.6	39.4	31.0	27.7		

METALLURGICAL PROPERTIES													
TENSILE VALUES				IMPACT		HARDNESS		JOMINY VALUES (HRC)					
YS	UTS	%EL	%RA	STRENGTH (IZOD/CHARPY)		(BHN)		5mm	10mm	125mm	150mm	D.I.	
REQ								39/44	35/40	27/32	24Min		
ACT								43.6	39.4	31.0	27.7		

METALLURGICAL PROPERTIES													
TENSILE VALUES				IMPACT		HARDNESS		JOMINY VALUES (HRC)					
YS	UTS	%EL	%RA	STRENGTH (IZOD/CHARPY)		(BHN)		5mm	10mm	125mm	150mm	D.I.	
REQ								39/44	35/40	27/32	24Min		
ACT								43.6	39.4	31.0	27.7		

1. BLANK SIZE: 200/250MM2, REDUCTION RATIO: 1:12.05.
2. MFT TEST 100% DONE & FOUND OK.
3. GRAB SIZE PREPARATION ACCORDING TO ZE15-53 TESTING ACCORDING TO ZE15-53.
4. 52. FINE FIBER AACT %NB : 0.0022.
5. JOMINY TEST PERFORMED ACCORDING TO ZE 15-53 TESTING AS PER ISO 642.

AUTHORISED SIGNATORY

K. P. P. P.

K.POMESH(S-GM-QAD)

PREPARED BY