

## AARTI STEELS LIMITED

Registered Office: G.T.Road, Miller Ganj, Ludhiana.

Works: Focal Point, LUDHIANA - 141010. (INDIA)

Phone no.: - 0161-3006200 Fax: - 0161-3006250

MANUFACTURER'S OF: - CARBON ALLOYS & SPECIAL STEELS

-: TEST CERTIFICATE: -



-: Original :-

1/S FO	ORGE IND	IA (PVT.	) LIMITE	D.	T.C	.NO.	1338	Date	-: 02/0	01/201	8 19:41:0
PI		0,SEC-5,				Invoice No. 9800 Truck No. HR58A-7565					
GRADE	SIZE	HEAT NO.	MANUFA	ACTURING	ROUTE	COLOUR	CODE	SUPPLY	CONDN.	QTY.	NO. OF
0 MNCR5	65 RCS	1153	E.A.F.+L.F	.+V.D.+CCM+EMS	YF	ELLOW+BROWN		AS ROLLE	0	9.640	56
		-:	CHEMICA	AL COMPOS	ITION IN	1 PERCE	NTAGE :	-			
	C Mn	.   s	P   Si	Ni	Cr   Mo	v	Al   Cu	ı   Sn	Ti   1	в   с	a
Min	0.1700 1.10	000	0.150	00   1	.0000		-	4			
Max	0.2200   1.40	0.0350	.0350 0.400	00   1	3000		-	-			
Actual	0.1720 1.13	300 0.0240 0	.0160 0.225	0.0250 1	.0600 0.001	1 0.0032	0.0240 0.0	090 0.002	5 0.0032	0.0004 0.	0006
			-	: METALI	URGICAL	RESULT	s :-	. 6			
INCL	USION RA	TING IS	: 4163/	JK CHART/	ASTM E-	45A	Aust.				Content
	A   B			С	CDD			- Size ASTM No. - (E-112)		(ppm)	
	Т	н	Н	T	н т	Н	Deca		0.11	02	18
STD MAX	2.0	2.0	1.0	2.0	2.0	0 1.0	(1	(MI)		N2	84
	1.5	0.5 0.5	0.0	0.0	0.0 1.	0.0	Mic:	ro- cture	P+F	H2	.922
ACTUAL	1.5		770/300	M A-37-0/	rs-1608)	612	MACRO	וט	TRASONI	C M	X UP TEST
-0	CHANICA	L PROPER'		/ H & T)					TEST		
-0	CHANICA Ti		ITION (N	/ H & T)	ct   Har	dness	BETTER THAN C2,R2,S2 MAX		TEST % DONE OK		K TEST DONE OK
-0	CHANICA Ti	EST COND	ITION (N	/ H & T) % Impac	et Har ne B.H.	dness N./Rb	BETTER THAN C2,R2,S2 MAX LEVEL AS PER PLATE IST OF				
ME Reqd.	U.T.S.	EST COND	ITION (N	/ H & T) % Impac	t Har B.H.	dness N./Rb	BETTER THAN C2,R2,S2 MAX LEVEL AS PER				
ME Reqd.	U.T.S.	EST COND	ITION (N	/ H & T) % Impac	240 17.	dness N./Rb 0 MAX	BETTER THAN C2,R2,S2 MAX LEVEL AS PER PLATE Ist OF ASTM-E-381		% DONE OK		
ME Reqd.	U.T.S.	Y.S. Y.S.	ITION (NEL% RA	H & T)	Har B.H.  240  173	dness N./Rb 0 MAX 1-175	BETTER THAN C2,R2,S2 MAX LEVEL AS PER PLATE Ist OF ASTM-E-381 R IS:	3848 :	% DONE OK	100%	DONE OK
ME	U.T.S.	Y.S. Y.S.	ITION (NEL% RA	H & T)	Har B.H.  240  177  177  177  177  177  177  177	dness   N./Rb   0 MAX   1-175   2) AS PE	BETTER THAN C2,R2,S2 MAX LEVEL AS PER PLATE Ist OF ASTM-E-381 R IS: J7/16	3848 :: J8/16	% DONE OK	100%	

Note :- TESTED FOR RADIOACTIVE CONTAMINATION OL

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