

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 :-

		(T. T. M. T. M. T.	D	15	T.C.NO.	00'	7.3 D:	2+0	27/0	12/20	18 20:11:4	
P	ORGE INI LOT.NO.6 ARWANOO	60,SE	C-5,	PIMILE	υ.	8973 Date -: 27/02/2018 20:11:4 No. 21841 . HR69B-8781								
GRADE	SIZE	(MT) PCS.												
n 353	65 RCS	5814	E	A.F.+L.F.	.+V.D.+CCM+E	MS	GREEN+WHI	re+pink	LINE AS R	OLLED		10.28	0 54	
			-: C	HEMICA	L COMPO	SITI	ON IN PER	CENT	AGE :-				~	
	C M1	n S	P	Si	Ni	Cr	Mo V	A	1 Cu	Sn	Ti F	3	Ca	
Min	0.5	000 -	-		1.0000	0.7500	0.0800] -	- [[-	
Max	0.2000 1.0	000 0.0	500 0.050	0.350	0 1.5000	1.2500	0.1500	1 -	-				100	
Actual	0.1630 0.8	000 0.0	0.019	0.230	0 1.0800	0.8100	0.0920 0.00	32 0.0	260 0.1600 0	0.0170	0.0028 0	.0004	0.0006	
				-:		_	ICAL RESU		:-					
INCL	USION R	ATING	IS:	4163/3	K CHART	'/AST	M E-45A	5/4	Aust.Grai	n		Gas	Content	
11102	A				С		l D		Size ASTM No.		7	(ppm)		
			Т	Н	T	Н	т н	=	(E-112)					
		H		1.0	2.0	1.0	2.0 1.	-	Decarb.		0.11	02	16	
STD MAX	2.0	1.0	2.0	1.0	2.0	1.0	2.0 1.	_ -	Micro-	-		N2	78	
ACTUAL	1.5	0.5	0.5	0.0	0.0	0.0	1.0 0.	0	Structur	e	B+F+P	Н2	.899	
	CAL PRO				70/IS-16	508)	AS ROLLED	M	ACRO	ΠΓ	TRASONI TEST	C	MIX UP TES	
	U.T.S. Y.S. E		. EL	RA% Impact Value		act	Hardness B.H.N./Rb	C2,	BETTER THAN C2,R2,S2 MAX LEVEL AS PER		100 % DONE OK		SPARK TEST 100% DONE OK	
	U.T.S.							- LEV	EL AS PER					
Reqd.	U.T.S.	-					4.	PLA	TE Ist OF					
		-	-	-			180-185	PLA						
Reqd.		-		: HAI			180-185 (HRC) AS	PLA - AST	TE Ist OF M-E-381	3 :-				
Reqd.	-	-	72/16		- RDENABII	LITY	(HRC) AS	PLA AST PER	TE Ist OF M-E-381 IS : 3848			J10/1	16 J12/16	
Reqd.	- - ce J1/	-	-		- RDENABII	LITY	(HRC) AS	PLA AST PER	TE Ist OF M-E-381 IS : 3848	16	J9/16	J10/1	16 J12/16 -	

Japan