INTERNATIONAL LIMITED STEEL AARTI

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Works : Focal Point, LUDHIANA - 141 010. (INDIA)

Phone no. :- +91-161-5244200 Fax :- +91-161-5244250 MANUFACTURER'S OF :- CARBON ALLOYS & SPECIAL STEELS

TEST CERTIFICATE : -

ENGINEERS PVT

T.C.NO. Date -: 19/12/2024 16:26:06 4501

	.S.B. E LOT NO. AJASTHA	C-158A	M.I.A	LTD. ALWAR		T.C.NO Invoic Truck	e No.	4476 .0JB-628		-: 19/1	2/2024	1 16:26:00
GRADE	SIZE	HEAT	NO, MA	NUFACT	JRING ROU	TE COL	OUR COL	DE SUI	PPLY (CONDN.	QTY. (MT)	NO. OF PCS.
SAE 1053H	120 DIA	7725	E.A	F.+L.F.+V.I	,+CCM+EMS	YELLOW+	GREEN DOT	AS	ROLLED		29.500	60
		3.00	-: CHE	MICAL	COMPOSITI	ON IN PE	RCENTA	GE :-	ta .			<i>t</i> .
1	с м	n S	P	Si 1	Ni Cr	Mo V	A1	Cu	Sn	Ti E	s Ca	a
Min	0.4800 0.	6000 0.01	50	0.1500			0.020	0			- -	- 1
Max	0.5500 0.	9000 0.03	50 0.0350	0.4000	0.2500 0.2500	0.0600	0.050	0 0.2500		0.	.0005 0.0	010
Actual	0.5000 0.	8150 0.01	70 0.0170	0.2070	0.1300 0.1880	0 0.0360 0.	0016 0.021	0 0.1020	0.0058	0.0100 0	.0005 0.0	005
		1000	. E		METALLURG	225000	- 1200	- September 1				
INCLUSION RATING I			IS : 41	s : 4163/JK CHART/AST			E-45A Aust.Gra		in		Gas Content (ppm)	
ļ	A	_	В /		C	D/	SHEEDER LICESSESSE	ASTM No (E-112)		7		
	T	н	T	н	T H	T	н <u> —</u>	Decarb	- -	0.23	02	12
STD MAX	2.0	1.5	2.0	1.0 0	.5 0.5	1.0	.0	(MM)			N2	78
ACTUAL	1.5	0.0	0.5	0.0 0	.0 0.0	1.0	.0 :	Micro- Structu	re	P+F	н2	.881
	CAL PRO				IS-1608)	AS ROLLE	D MA	CRO	21/2/201 TSS	RASONIC TEST	: мі	X UP TEST
	U.T.S.	Y.S.	EL%	RA%	Impact Value	Hardnes			SPARK, MOBILE 100 % DONE OK SPECTRO TEST 100% DONE OK			
Reqd.	930-1130	706 MIN	8 MIN	-	30 J MIN	240 MAX	PLATE	Ist OF				
Actual	984 MPA	789 MPA	9.5	-	47 J	188-195	— ASTM-I	2-201	e)			
		-	-:	HARDE	NABILITY	(HRC) AS	PER I	s : 384	8 :-			
Distanc	e 1.5	мм 3	MM 5	мм 7	MM 9 MM	4 11 MM	13 MM	15 MM	20 N	1M 25 M	1M 30	ММ
Require	d 59-63	B 50-	-61 45-	58 32-	50 28-42	26-36	25-33	24-31	22-30	20 MIN	20 M	IN
Actual	59.	5 58	52	36	32	31.5	31	30.5	29	27.5	25.	5
Remarks	: - REDUC	CTION RATIO	D=5.1:1.BILI	ET SIZE=240 AS PER WOR	X240 MM, SURFAC	E SATISFACTOR G ASTM E45 ME		100% DONE FO				

Note :- TESTED FOR RADIOACTIVE CONTAMINATION

ULTRA SONICALLY TESTING OK WITH: 1/16 FLATE BOTTOM HOLE MATERIAL CONFORMS TO DANA SPEC.QF 1001.REV.LEVEL-3

PREPARED BY