

## ITED

Sy.No.632, Narayanadevarakere, H.B.Halli, Tq. Bellary District, 583 222



## TEST CERTIFICATE

I Report		ngadi	Practic Angadi Authorised Signatory	P <sub>i</sub> Auth							ant Issued B	Prashant Reviewed & Issued By	Ret						a i	Arshad Khan Prepared By	P A	Doc No-Bree Co. Co.	Men (o	Doc. No.:
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.9	-	+		$\frac{1}{2}$		80		1		p	_					3.1	EN10204:2004, type 3.1	04:2004	EN102	e as per	Inspection Certificate as per	pection	o. Ins
A.I.	7													1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ол.	cification	mer spe	e custo	ng to th	Material is conforming to the customer specification.	terial is	4. Ma
000	EN.														e limits	permissible limits	{ 😅	(Pb,Cd,Hg,Cr+6)	(Pb,Cc	ROHS	ply with	The material is comply with ROHS	materi	3. Th
	120			6.2024)	e 14.0	03, Dat	l, Rev	DANA QF 1001, Rev 03, Date 14.06.2024)	ANA	(Ref Std: L	7. (Ref					1			Pearlite	rrite +	form Fe	Microstructure: Uniform Ferrite + Pearlite	rostruct	
DS (6)				1	)3.202	ate 07.0	Rev d	01, Rev No. 01, Rev date 07.03.2021	1, Rev	TDS No. 0	6. TDS							- 1	) Grade	IS 3739	: as per	Dimension tolerence: as per IS 3739 Grade	iension	1. Din
																							ARKS	6. REMARKS
								OK	an	Better Than C2R2S2	B	0.19	7.5		1		•		0	1.0	0 0	0.5 0	1.0 0.5	Actual
n	Material is free from radicactive contamination	dioactiv	from rac	is free	aterial	M	-	٠	Лах	C2,S2,R2 Max		0.6%of dia Max	5-8		,	1			1.0 -	1.0	0.5 0.5	2.0 1.0	2.0 1.5	Spec
ark - Found OK	100% Bars checked for Mix-Up by PMI & Spark -	Mix-Up	ked for	rs checl	0% Ba	10		(IS 4075)		(ASTM E-381)		SAE J419	(ASTM E112)	E P	S+0	0	<b>J</b> 1	S	Н	Н	т н	T H	H	
100% Bars Checked by MPI - Found OK & free from surface defects	Found OK & F	MPI -	ked by	urs Chec	100% Ba defects	10 de		-				(%)				1		0.7	DS	ם	C	В	A	
	Found OK		100% Bars Checked by UT -	rs Chec	0% Ba		UPSET	STEP		MACRO- STRUCTURE		TOTAL DECARB	GRAIN SIZE	္က <u>ဂ</u>	02)	DIN RATING (As Per DIN 50602)	DIN (As Per			TING 13)	(ASTM E45-13)	INCLU (AS		
								3	TEST	OTHER TESTS	Ċı											APHY	4. METALLOGRAPHY	4. MET.
.3	46.2   44.5   42.3	50.1 46	50.9   5	52.3	53.3	54.1 5	55.2	56.1	1 57.0	Actual	'	8	210-218	Actual		•		1	100	20.9	51	1051	974	Actual
.0 0.	50.0   48.0   46.0	53.0 50	54.0 5	54.0 5	55.0	56.0 5	57.0	58.0	58.0	Max	į		240	Max		•			-	1	80	1080		Max
.0 0.	0.5   37.5   36.0	42.5 39.5	44.0 4:	45.5	47.5	50.0 4	51.0	52.0	52.5	Min	Ť	ļ		Min		•	1000			12	30	880	685	Min
-	J20 J25 J30	J15 J	J13 J	J11 .	J9	J7	J5	J3	J1.5			ed	As Rolled (BHN)						-	% EL	ed SJ	UTS Mpa	YS MPa	
				RD:-)	ANDA	mm (ST	UNIT:	JOMINY DISTANCE UNIT: mm (STANDARD:-)	IQ ANI	лом		HARDNESS	HAR		Г	IMPACT TEST	IMPA		E8M	ERTIES ) ASTM	TENSILE PROPERTIES ched & Tempered) ASTM	TENSILE PROPERTIES (Quenched & Tempered) ASTM E8M	(Que	
					IRC)	TY (in E	NABILI	JOMINY HARDENABILITY (in HRC)	ANIMC	3. J											ES	PROPERTIES	ICAL PI	2. PHYSICAL
79.3 14.1	3.160 1.35	100.0	_	0.0001	.0001	.0010 0.	.0005 0	0.0010 0.0001 0.0005 0.0010 0.0001 0.0001 0.0055	0.0010	0.0006		0.020 0.0003 0.0007	0.0039 0.02	0.007 0.0	- 0.	0.025	0.018	0.009	1.270	0.023	0.011	0.255 1.060	0.381 0.	Actual
120.0 20.0	- 2.50	,		,	'	1	1	_	,	0.0010	•	0.0005	- 0.300	_	-	0.050	0.300	0.100	1.300	0.030	0.020	0.400 1.100	0.400 0.	Max
- 0.09	2.100 -	1	•	•	-	'	1		,	1		,	'	<u>'</u>	_	0.020	-	,	1.000	0.015	,	0.150 0.800	0.330 0.	Min
N2 O2 (ppm)	AINZ H2 Ratio (ppm)	Zr	°C	Bi	W	Pb	Sn	d.B	As	Ca(%)	Nh	1 B(%)	Ti(%) Cu	V Ti(	•	Al	Ni	Mo	Ç	w	P	Si Mn	Ω	%-
																					FION	1. CHEMICAL COMPOSITION	MICAL C	1. CHE
JH05DJ0699	11		30	23.030			ORANGE	01	-	5.50 - 6.00	5.5	10.39:1		70 DIA		35CRMN5	65	54465			emarks	Refer Remarks		
VEHICLE NO.	BUNDLE		QUANTITY (MT)	LILINY	વા	DE	COLOUR CODE	COLC		UENGTH (meter)	n n	REDUCTION		SIZE (mm)	(J	GRADE	NO.	HEAT NO.		TION	ECIFIC!	CUSTOMER SPECIFICATION	CUST	
05-Mar-2025	SE24Y-16462	SE	1197	25030197				As Rolled	Α			200x200		-AMLC	CM-EMS	MBF-EOF-LRF-VD-CCM-EMS-AMLC- RMS	EOF-LF	MBF-		PVT	VEERING	M/S SSB ENGINEERING PVT	M/S S	
DATE	INVOICE NO.	IN	io.	TC NO.			NOIL	SUPPLY CONDITION	SUPPLY	[0		BLOOM SIZE			OUTE	PROCESS ROUTE	PRO			E	ER NAMI	CUSTOMER NAME		

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