Web Site: www.sunflagsteel.com E-mail: admin@sunflagsteel.com Regd. Off.: (0712) 2524661 Works: (07184) 285551 CIN:L27100MH1984PLC034003

## SUNFLAG IRON & STEEL CO. LTO. Regd. Office: 33, Mount Road, Sadar, Nagpur - 440 001 India

Regd. Office: 33, Mount Road, Sadar, Nagpur - 440 001 India Works: Bhandara Road, Bhandara - 441 905 (Maharashtra)



TEST CERTIFICATE

REMARKS	ACTUAL	-MAX	SPEC-MIN					ACTUAL	Contract	-MAX	SPEC-MIN					ACTUAL	-MAX	SP-MIN			SF/BLUESTAMPING/SCM420H/001		CUSTOMER		CUSTOMER	
S:100%	1.0	X  1.50	Z	A T		—		1	-	-	1	 C	PS/YS	-		0.21		0.17	0%		STAMP					
100	00 -		-	АН		IN CLUSI ON							SX			0.87	0.90	0.55	%Mn		ING/SC		CIFICA		SADHU	
SPARK/SPECTRAL: OK.MICRO	0.50	1.50		ВТ						Ţ	1		UTS	As Rolled		0.0140	0.030	1	o% P		M420H/		SPECIFICATION No.			
TRAL:		1	ï	ВН		RATING (.								led		0.0150	0.030	1	Ω 0/0						FORGING	
OK. MICH	0.00 -	1.50 -		CT		(ASTM-E-45					1		ZEL ZEL	/ H.T.	MEC	0.2200	0.35	0.15	₽. & %		/01.06.2002				LID	
	1.50		-	СНД						_	-	*	_		MECHANICAL	200 1.2		0.85			. 2002					
STRUCTURE: FERRITE	- 0	50 -	-	T D H		/IS:4163)							%RA		AL P	1.2000  -	25	35	%CL %		08777	No.	HEAT			
FERRI	7/7.5		5		SIZI	GI	Ī		i	<u> </u>	-		OZI)	—	ROPE			-	%Cu							
+	U			- 112)	SIZE (ASTM	GRAIN							(IZOD/CHARPY)	IMPACT	ROPERTIES	1		1	%N1		SCM420H		GRADE			
PEARLITE	OK		OK		_ Q	- SI			186	195	_		-	HA		0.2350	0.35	0.15	%Mo		RND					
					QUALITY	SURFACE		Č	ν	Ú			(BHN)	HARDNESS		0	<del>-</del> -	i	V%		RND-48	LN (mm)		MBF-		
					HAF	10	ME	_		Ţ	_		VALUE	DI		- 10.0	0.045	0.020		CHE			Ż	EAF	PRO	
					HARDNESS	QUENCH	METALLURGICAL				_		_	_		0.0230 -	45 -	20  -	%AI	CHEMICAL	RED+			-LRF-	PROCESS	
		1					RGICA		1	1			VALUE	CE				_	%Pb	COMPO	RED+BLUE D	COLOUR	GRAD	LRF-VD-CCM	ROUTE	
				dA					-		-	_	1						₽. H	OSITION	DOT+RED	TODE	DE	M-RM		
We ce				+		JIS	PROPERTIES						1			1	1	1	₽ 0/0	NO						
certify		1	1	dB+dC		JISG0555	SH						-		ч	1	1	1	uS%		160x	DIAL BUILD	BLT/BLM	DE	TC	
that t									1		-			_	ANIMOL	1	- T	1	1 %W		160x160   AS		BLM	LIVERY	INVOICE NO.	
the mat	0.000		1	=					1		_				VALUE	1		1			ROLLED		SUPF	DELIVERY ORDER NO.:	NO.	
material	00								1					_	Œ	-		_	%As		Ü		SUPPLY CONDITION		: 00	
descri	0.18	- 0	_	Full Partial	, , ,	DECARBI			-		_		ī					_	%Ca				DITION	81057676	0016415 172721389	
described above	18	. 40				JRIZAT		-	1				<u>-</u>	_		(	1	í	qs%					76	39	
	0.18	0.40	T.	Total		DN (MM)			1		-		1			1	1	ı	%00%					TRUCK NO.	DATE	
conforms	C1R1S1	C2R2S2	ī	ASTM-E-381	RESULTS	MACRO							1				1	1	dN%		5.650	(ETCTO)	LENG	NO. :	** **	
to the	S1	82		E-381	LTS	ETCH		_	-	_		_				114	20	<del>-</del>	<b>b</b>   <b>02</b>		0		LENGTH   NO. OF	MH40BG'9959	13.03.2018	
e specs	14.15		í		RATIO	DECARBURIZATON (MM)   MACRO ETCH   REDUCTION		_	-				-			73	100	_	N2		13.286		NO.OF   QTY	39959	2018	*
• · · · · · · · · · · · · · · · · · · ·	0,					NOI										1.10	2.0	) 1	<b>H2</b>		86	1	Y Y			

J5,9MM=42,39 HRC

For Sunflag Iron & Steel Co. Ltd.