

Doc.no.:F-QC	D-16					T	ES	T C	ÆR		FIC	Γ <del>Α</del> .	Ŧ	1,1				
Date: 01.08.2	2013					-			S PER EN									
Approved By:M.R.																		
CUSTOMER:- P.O. No. & Dt.			S.S.B. ENGINEERS (P) LTD 2024-25N 55 Dt. 15.11.2024						GRADE :-		S690QL		T.C. NO.:- DATE:-		RND/1186			
									Inv. No. 2194			4-0137		Inv. Dt.		09.01.2025 2301905		
				LED BAR		Mfg. Route			EF + LF		1 1	ully Killed Bottom Poured Ingot			m2			
Feasibility No. KCIL/22-23/1005, F				Rev. No.3 I	Dt. 28.08	Supply Conditions			Ī	***************************************		led + Peeled						
To the state of	10 TO	VE TO		The little	1 1		ITEM	DESC	RIPTIC	N	End no	1 -		- 14.		and the same	1 -	
Heat No. Size As per (IS: 3739 Gr-2)				No. (	Of Pcs.	Qty lı	n MT.					Remarks						
K24-1454 126 MN		MM DIA	1M DIA		02		20				_							
	:				ye.	C	HEMIC	AL AN	ALYS	IS %	66 1	1:-	1.0	(PV)				
% EL	EMENT		С	Mn	Si	S	Р	Cr	Mo	Ni	Nb	Ti	Cu	В	٧	Zr	N	
	MIN	١.	•••	•••	•••	•••			·	•••					ļ			
SPEC.	MAX		0.20	1.70	0.80	0.010	0.025	1.50	0.70	2.00	0.06	0.05	0.50	0.005	0.12	0.15	0.01	
Δchi	ieved				•	Cho	mical C		<u>:                                    </u>			<u> </u>	:	:	0.12	0.13	0.01	
Acin		-	<u> </u>	, 5°	-		mical Co						pecifica	ation.				
	-1 42.5		T		MECHA		PROPE	ERTIES	S (On l	H&T S	_		200					
st piece location 12.5 mm from surface		Tensile Strength (Mpa)				% Elongation		R.A		Hardness (BHN)		Impact (0		CVN) Longitudinal @ -40°C				
PEC.	MIN	1			630		14	1	ļ	• 	-		<u></u>	····	30J Min.			
MAX		(	900				-					-	124	126	130	Avg. 126.6.		
Achie	eved	P.	824		742.49 22.			8		/ /	1			130 Avg. 120.01				
		1		Jomin	ıy Harde	enabilit	У	F		77		1	RAW	MATE	RIAL D	ETAIL		
stance in	·	-		1145	1900	<u> </u>	-	- 1	1/- F	[-1]		8	NGOT SI	75				
pec.	Min		<u> - ,                                  </u>		7-80 7- 95		G What	The Life		75/10-				NGOT SIZE				
	MAX	· <u>-</u>	-	<i>j</i> - <u>j</u>	-	· Aug	350.1	- <u>-</u> - 1	1 19	-	- /	DED.	UCTION	DATIO	L			
Achieve	d		-	<u> </u>	-	F - (1)		100	20,500	-	-	KED	UCTION	KAIIU		•		
		181.	6 1 1	1	1-1	NON	DESTE	RUCTI	VE TE	STING	Ĵ		4.7		Ur.			
Ultrasonic Testing					Dye	Penetra	ing Magnetic Par		ticle Inspection		M		lixup Test					
f. Std. ASTM A388, Probe: ø24mm, 2MHz  cceptance 4mm FBH on DGS Scale  sult Found Satisfactory			1 A388,		Ref. Stnd.				Ref. Std.				Coork tost					
			amm, 2M	Hz			****	•							100% Done & found			
			-	MARKET METERS					Accepta	cceptance					Satisfactory			
			Result				Result				Spectro							
		1929			<b>持</b> 。	ME	<b>TALLUI</b>	RGICA	L TES	TING	W. A.					-);		
INCLUSION RATING (ASTM E45)					GRAIN SIZE (ASTM E112)  MIC			CRO STRUCTURE			MACRO (ASTM E38		1 3		TEP DOWN TEST			
V	A B C		D	(**************************************										•				
Ж	0.5 -		<b>#</b>	1.0	7.0						Better tha			Decarburization Depth				
				0.5			***************************************			C2 R2		C2 R2 S	2	And the state of t				
	N DETAIL	1	Heat No.	, Grade	& Size m	arkad o	n hass /h	undlas			Col	lour Co	nda	O	RANGE-G	REY-PIN	K	
ult: T	he supp	lied n	naterial	e from C	rom Inte	·	11 5013/5	unutes					Juc					
hereby	certify +	h-4		is free t	rom inter	rnal, sur	face defe	ects & r	adioacti	ve cont	taminat	ion						
je.	- A	nat p	roducts	has be	en man	ufactu	ed,insp	ected	and for	ınd ac	ceptab	le as p	orcust	omer re	quireme	ents.		
MON ared By	Jal.		,				A	W			B. E.M.	O.	URGIST			CASTIN	sed By	
		j.			KISC		STING		AIGV	LIN	TTED	DATE.	5/1/0	100	FORK FORK	ORISED	A	

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