		tive contaminati	defects & radioac	n internal, surface		IDENTIFICATION DETAIL
ORANGE-GREY-PINK	Colour Code	ndies	arked on bars/bu	Heat No. Grade. & Size marked on bars/bundles		THICK
Decarburization Depth	Better than C2 R2 S2			6.5-7.0	1.0	0.5 A
STEP DOWN TEST	(ASTM E381)	RUCTURE	MICRO STRUCTURE	GRAIN SIZE (ASTM E112)		INCLUSION RATING (ASTM E45)
		AL TESTING	METALLURGICAL TESTING	MI		
		Result		Result	Found Satisfactory	1
Spectro	Mobile Spectro	Acceptance		Acceptance	4mm FBH on DGS Scale	350
st	Spark test	Ref. Std.	1	Ref. Stnd.	ASTM A388, Prohe: a24mm, 2MHz	Ref. Std Prohi
Mixib iest	-	Magnetic Particle Inspection	ant Testing	Dye Penetrant Testing	Testing	Ultrasonic Testing
		VE LESTING	NON DESTRUCTIVE LESITING	NON		
	ŀ					Acheved
ATIO	REDUCTION RATIO					Spec Max
(m	INGOT SIZE		-	-		Distance in mm
KAW MAIENIAL DEIAIL	1			Jominy Hardenability	Jomin	
ATE	- I		18.26	702.18	830.36	Achieved
142	140				900	SPEC
			14	630	710	MIN
@ -40 °C	(BHN)	R.A	% Elongation	Yield Strength	Tensile Strength	Test piece location 12,5 mm from surface
		(on H&T Sa	PROPERTIES	MECHANICAL PROPERTIES (on H&T Sample Only)		
0.0003	0.01 0.002 0.11	0.33 1.76	0.017 1.09		-	Achiewed
0.005	0.06 0.05 0.50	0.70 2.00	0.025 1.50	0.80 0.010	0.20 1.70	SPEC MAX
00	Nb TI Cu	Mo N	P Cr	Si is	C Mn	% ELEMENT
		ALYSIS %	CHEMICAL ANALYSIS	CH		
			10.890	25	110 MM DIA	K24-1001 11
	Remarks	and the same of th	Qty in MT.	No. Of Pcs.	Size As per (IS: 3739 Gr-2)	Heat No. Size As po
		PTION	ITEM DESCRIPTION			
As Rolled		onditions	23 Supply Conditions	No.3 Dt. 28.08.20	KCIL/22-23/1005, Rev. No.3 Dt. 28.08.2023	Feasibility No.
d Bottor	LRF + VD, F		Mfg. Route	BAR	ROLLED BAR	Product
Inv. Dt.	1 SOBOO-1	2407	lnv. No.	t. 06.09.2024	2024-25N 45 Dt. 06 09:2024	P.O. No. & Dt
¥ 0	S690QL T.C. NO.:		GRADE :-	ERS (P) LTD	S.S.B. ENGINEERS (P) LTD	CUSTOMER:-
	AS PER EN-10204-3.1	AS PER EN-10204-3.1	ASP ASP	1		Dake: 01.08.2013
	TO A THE ST					

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KISCO CASTINGS (INDIA) LIMITED







