

Date: 91 DE 1911 Approved By at H					Г	ES		ER FER EX			AT	E	en Senzine firms discharges assure		1	MC THE DAMPER OF THE PERSON OF	
CUSTOMER:		5.5.	B. ENGI	NEERS (P) LTD			GRADE			5690QL		T.C. NO.:- RND/922					
P.O. No. & Ot.	2024-25N 45				Dt 06 09 2024			Inv. No. CASI		14-000		105 Inv. Dt. 11 10 2024			and the Part of the Local		
Product	EO BAR			Mig. Route			W	300	illed Botto	and the second second	d Ingot	-					
reasibility No.	P.	CIL/22-23	1/1005, R	ev. No.31	28 08.	THE RESERVE THE PERSON NAMED IN	The same in case where the	Canditio	Married Communication of				As Roller	1			
Heat No. 54	e As per	US: 1739	(16.2)	64	04.0	ITEM		UPTIC	N								
Heat No. Size As per (15: 3739 Gr-2) K24-1010 130 MM (24)				No. Of Pcs.		Qty In MT			Remarks								
K24-1010	1101	MM DIA		2:	5	10.5	282										
41.51.52.53				-	C	HEMIC	AL AN	IALYS	IS %								
% ELEMENT		C	Mn	SI	S	Р	Cr	Mo	NI	Nb	TI	Cu	B	٧	Zr	N	
SPEC.	IN.	0.20	***	***				111	- 4)			***			-		
Achieved		0.19	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	0.019	
	-	0.13	1.27	0.29 4FC11	NICAI	PROP	1.06	0.34 S. (op. 1	1.79	0.01	0 002	011	0.0003	0.07	0.002	0.010	
Test piece location 12	5 mm	Tensile		-						-	iness		Impact (CVN) Lon	gitudinal		
from surface Tensile Strength MIN. 710			Yield Strength		% Elongation		R.A		(BHN)				@ -40 'C				
SPEC. MAX		900		630		14		***						301 Min.		and the same of th	
Section between the contract of the second section of the section of		Del 100-15100-1-210	Marketon & participants of the second contract of the		9.49	19.	79	•				132	136	138	Avg. 135.31		
	A SUPPLY		-		enabilit	_	der cauch h			MENTER I	- Acquist	DAW	MATER	IAI D	ETAIL		
Distance in mm.	-							-	-				1	INLID	CIMIL	-	
Spec. Min			-								- 11		INGOT SIZE		4 14		
MAX	-				-			-			REDI	CTION F	DATIO				
Achieved		-		,			-	-		-	KEDE	ACTION F	GATIO				
111		.,		-		N DEST											
Ultrasonic Testing ASTM A388.			Dye Penetra		rant lest	folian to promise the profit of the profit o		Magnetic Particle In		Inspection		Mixup Test					
Std. Probe: ¢24mm, 2MHz		Ref. Stnd.		1444		Ref Std.		*****		Spark test		100% Done & found					
cceptance 4n	4mm F8H on DGS Scale			Acceptance		***		Accepta	Acceptance		*****		Mobile Spectro		Satisfactory		
sult	Found Satisfactory		Result				Result										
						TALLU	RGIC	IL TES	TING					-			
INCLUSION RATING (ASTM E45)				GRAIN SIZE (ASTM £112)		MICRO STRUCTURE			RE	MACRO (ASIM E381			STEP DOWN TEST				
HIN 1.0 HICK 0.5				6.5-7.0						Better than CZ R2 S2		in	Decarburization Depth				
DENTIFICATION DET	AIL			Grade.	& Size m.	arked on t	ars/bun	dles		Co	lour Co	de	ORANGE	-GREY-PI	NK - BLA	CK SPOT	
	-	atorial is				defects &	the same and the s		minatto	-	na. Hit	Paris Par				Cylinary	
Ve hereby certif											le as n	or ruet	omar ra	aultam	Ante		
ANDIVES	100	NGIF	EFRS))	TOTAL CO	Reviewe	M	<u>V</u>		Ceptao				FORKISC	OSTUNG AG	A	
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