

MILL TEST CERTIFICATE

CUSTOMER		ESTECHNIC TIC. LTD.STI.		PRODUCT		HONED TUBE		MATERIAL		ST52.3	
STANDARD		DIN2391		CONTRACT NO.		MO86.38		CERTIFICATE NO.		QC-23W22MO-1	
DELIVERY CONDITION		EWX		PROCESS		COLD DRAWIN		ISSUE DATE		2023/11/12	

NO	LOT NO.	HEAT NO.	MATERIAL	MATERIAL SIZE QUANTITY						CHEMICAL COMPOSITION % (HEAT ANALYSIS)										TENSILE TEST (G.L=L1)			
				LD	O.D	LENGTH	QUANTITY		MASS (kg)	C	Si	Mn	P	S	Ni	Ti	Mo	N	Rel Y.S.	Rm T.S.	A EL	Z	
				MM	MM	M	PCS	MTR		×10 ²			×10 ³							MPa		%	
1	A25698745523	258977896	ST52.3	65	75	5000.00	410	2050.00	18031.20	0.21	0.55	1.54	0.024	0.021					515	620	17		
2	A22567410235	258963696		70	80	4000-5800	980	7993.00	8102.00	0.22	0.54	1.55	0.022	0.02					535	623	19		

NO	PRODUCTION PROCESS INSPECTION					HARDNESS	NDT	
	STRAIGHTNESS	ROUGHNESS	SURFACE QUALITY	DIMENSION CTRL	CHROME THICK.	HRC	LEAKAGE	ULTRASOUND
	< 1 / 10000mm	< Ra0.4	none scratch, pin-hole	H8				
1	Qualified	Qualified	Qualified	H8	-	-	Qualified	-
2	Qualified	Qualified	Qualified	H8	-	-	Qualified	-

SURVEYOR TO		WE HEREBY CERTIFY THIS MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTUREED ADN TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIRMENTS OF THE ABOVE MATERIAL SPECIFICATION.											
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