

Lal Baba Seamless Tubes Pvt. Ltd.

[AN IATF16949:2016, ISO 9001:2015,
ISO 14001:2015, ISO 45001:2018 Certified Company]
Corporate Office
27, Shakespeare Sarani, 3rd Floor
Kolkata - 700 017, West Bengal, India
Tel : +91 33 4008 0579
Email : sales@lbstubes.com Website : www.lbstubes.com
CIN No. U27310WB2006PTC110060



LAL BABA SEAMLESS TUBES

DOC. No: LBST/QAR/15 Rev.05 Dt: 06.01.2021

MILL TEST CERTIFICATE

CERTIFICATE ACCORDING TO EN 10204 : 3.2

PURCHASER NAME :		TEST CERTIFICATE No.:		0273/2022	
PURCHASER ORDER No. :		Date :		08-02-2022	
LBST / WO / EXP / 5918		TEST CERTIFICATE Date :		16.05.2022	
WORK ORDER No. :		Date :		18-02-2022	
NAME OF STEEL SUPPLIER :		INVOICE NO:		-	
RASHTRIYA ISPAT NIGAM LIMITED - INDIA - Melt & Pour		INVOICE Date :		-	
STEEL MAKING METHOD :		BOF-LF/IRUT-CCM-BILLETS-ROUND METHOD, Fully Killed			
PROCESS OF PIPE MANUFACTURE :		CDS / CS / PIPES			
MANUFACTURE PROCESS ROUTE :		CUSTOMER UID NO		ITEM NO. 2	
PM-HI-STP-CD-HT-Finishing-NDT-P&F-Dispatch.					
SPECIFICATION & GRADE :		ASTM A106 GR.B(Ed.2015)/ASME SA106 GR.B(Ed.2019) // ASTM A53 GR.B(Ed.2012)/ASME SA53 GR.B(Ed.2019), NACE MR0175 / NACE MR0103			

Sr. No.	LBST HEAT NO	SUPPLIER HEAT NO	SIZE				Quantity			General	
			OD (Inch)	ID (Inch)	WT(Inch)	Length (Feet)	Nos.	FEET.	MT.	End Condition	Coating
1	18R043	21D04156	OD 3/4" x WT 0.1540" x 21 FEET				27	567.00	-	Plain End	Black paint

CHEMICAL COMPOSITION (%)													
Sr. No.	HEAT NO	REQUIRED	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%V	%C.E
1	21D04156	Min	-	0.29	0.10	-	-	-	-	-	-	-	-
		Max	0.30	1.08	-	0.035	0.035	0.40	0.40	0.40	0.15	0.08	-
	L / A	0.18	0.73	0.20	0.012	0.024	0.011	0.000	0.000	0.000	0.000	0.000	0.308
	P1 / A	0.19	0.73	0.20	0.013	0.023	0.012	0.004	0.005	0.000	0.000	0.000	0.310
1	18R043	P2 / A	0.19	0.72	0.20	0.013	0.023	0.012	0.004	0.005	0.000	0.000	0.311

MECHANICAL PROPERTIES										
Sr. No.	HEAT NO	REQUIRED	YIELD STRENGTH (Psi)	TENSILE STRENGTH (Psi)	ELONGATION (%)	HARDNESS (BHN)	IMPACT TEST	BEND TEST	FLARING TEST	GRAIN SIZE
G.L = 50.00 mm, Pipes tested on full section										
1	18R043	Min	35000	60000	30	-	-	-	-	-
		Max	-	-	-	237	-	-	-	-
1	18R043		41060	71067	48.40	121-123	NA	OK	NA	NA

NON-DESTRUCTIVE TEST						SURFACE QUALITY			
Sr. No.	HEAT NO	STRAIGHTNESS	HYDRO-STATIC TEST as per AS30 & holding time 5 sec min(100%)	E.C.T. as Per ASTM E-309 (100%)	U.T. AS PER ASTM E-213 (100%)	VDI	IN SIDE / OUT SIDE	RA VALUE	PMI
1	18R043	Satisfactory	2500 PSI, OK	OK	NA	Satisfactory	Satisfactory	NA	NA

Heat Treatment : Heat Treated Above 650°C (1200°F)

MARKING: LBST / / CDS / ASTM A53 B/ASME SA53-B/106B / SA106B / NACE MR0175 / NACE MR0103 / 3/4", S80 x WT 0.1540" x 21.000 FEET / HEAT NO. 18R043 / NDE/HYD. 2500 PSI / PO NO. 25.390 / WEIGHT 14.07 KG

REMARKS: 1. Hardness as per NACE.
2. We hereby certify that the material herein described has been Manufactured, Sample tested & Inspected in accordance with above standard, specification & P.O requirement & result found satisfactory.

Legends : 1. L/A - Ladle Analysis, 2. P1/A - Product Analysis One, 3. P2/A - Product Analysis Two, 4. CDS= Cold Drawn Seamless, 5. CS = Carbon Steel, 6. PM - Piercing Mill, 7. HI - Hollow Inspection, 8. STP - Surface Treatment Plant, 9. CD= Cold Drawn, 10. HT - Heat Treatment, 11. NDT - Non Destructive Testing, 12. VDI= Visual Dimension Inspection, 13. P&F - Packing & Forwarding.

For, LAL BABA SEAMLESS TUBES PVT. LTD.

ISSUED BY: Kalipada Samanta ENGINEER (QA/QC)	 	 Sanjiv Bhoir Asst. General Manager (QA/QC) :
--	------	---



Plant & Registered Office
Bardhanyaghata, Debhog, Midnapore (E)
Haldia - 721 657, West Bengal, India
Tel : +91 90516 00028

