

Material	Material Description	Unrestricted	BUn	PO	Vendor
101000065023	STEEL TUBE_OD:25.4x2.11 MM THK_SA 179	43,375.01	M	3058306	Ratnadeep Metal & Tubes Limited
101000065545	STEEL TUBE_19.00 OD x 14 BWG (Min)_SA179	2,500	M	N/A	Ratnadeep Metal & Tubes Limited
101000075643	TUBE_LOW FIN_25.4 ODX14GX10000L_2E-452	3,200	NO	N/A	SAINEST TUBES PVT LTD
101000090415	TUBE_OD20x14BWGX4064LG_SA179_C1_31-X-003	684	NO	3058299	Ratnadeep Metal & Tubes Limited
101000090415	TUBE_OD20x14BWGX4064LG_SA179_C1_31-X-003	228	NO	3044552	LAL BABA SEAMLESS TUBES PVT. LTD.
101000097011	TUBE_19.05x1.2THKx2425L_AD BRASS_2E-503 ✓	25	NO	3058306	Ratnadeep Metal & Tubes Limited
101000097012	TUBE_19.05x1.2THKx1500L_AD BRASS_2E-309 ✓	31	NO	3058306	Ratnadeep Metal & Tubes Limited
101000097307	TUBE_25.4X2.3X8540L_A179_2E-252A/B/C/D	4,729	NO	3053337	Ratnadeep Metal & Tubes Limited
101000121556	TUBE_19.05x1.2x1416L_AD BRASS_2KT-651-E1	7	NO	3058306	Ratnadeep Metal & Tubes Limited
101000124724	TUBE_19 X 2.11_SA213 GR T11	301	M	3060461	Ratnadeep Metal & Tubes Limited
101000069550	TUBE_19 ODX14BWGX7200 LG_A179_2E-442	286	NO	3054030	Heavy Metal & Tubes (India)

CERTIFICATE ACCORDING TO EN10204-3.2

FORMAT NO : F/QC/09 Rev.00

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.		T.C. NO. : RMTL/CS-736/24-25
P.O. NO. : 3058306, Dated: 30.09.2024		DATE : 07.01.2025
PRODUCT : Carbon Steel, Seamless Cold Drawn, Heat Treated Straight Tubes (Fully Killed).		W.O. NO. : C-4923
SPECIFICATION : SA 179 & SA 450 of ASME Section-II, Part-A, Edition-2023.		QAP NO. : RMTL/C-4923-1/24-25, Rev.02, Dated: 15.11.2024
DOCUMENT NO. : IP/G/GEN/IS-ITP SA 179.		

P.O. SR. NO.	HEAT NO.	GRADE	DIMENSIONS	Nos Of Pcs	Total Meter	CHEMICAL ANALYSIS(%)										
						C S	Mn 0.27 to 0.63	P 0.035 Max.	S 0.035 Max.	Si	Cr	Ni	Mo	Cu	V	CE
00004	3418229	-----	25.40mm OD x 2.11mm (Min) THK x 6010mm Long (Material No: 101000065023)	2580	15505.80	H	0.100	0.010	0.005	--	--	--	--	--	--	--
00008		-----	25.40mm OD x 2.11mm (Min) THK x 6010mm Long (Material No: 101000065023)	3438	20662.38	P	0.114	0.014	0.008	--	--	--	--	--	--	--

MECHANICAL TEST

TENSILE TEST

P.O SR. NO.	HEAT NO.	FLARING	FLANGE	FLATTENING	REVERSE FLATTENING	BEND	REVERSE BEND	HARDNESS (72 HRB MAX.)	TENSILE STRENGTH 325 MPa Min.	YIELD STRENGTH 180 MPa Min.	% ELONGATION Full Cross Section GL=50mm 35.00% Min.
00004 & 00008	3418229 (50 Sample)	Accepted (50 Sample)	N.A.	Accepted (50 Sample)	N.A.	N.A.	N.A.	59 to 68 HRB (50 Sample)	387 / 409 / 406 / 397	270 / 301 / 290 / 280	48 / 42 / 46 / 46
									399 / 407 / 389 / 411	281 / 292 / 272 / 303	46 / 44 / 48 / 42
									401 / 411 / 408 / 391	283 / 304 / 294 / 273	46 / 42 / 44 / 48
									403 / 393 / 413 / 409	284 / 275 / 307 / 296	46 / 48 / 42 / 44
									404 / 407 / 416 / 395	286 / 297 / 309 / 276	46 / 44 / 40 / 48
									408 / 396 / 417 / 405	299 / 278 / 306 / 288	44 / 48 / 40 / 46
									418 / 390 / 400 / 409	308 / 279 / 289 / 299	40 / 46 / 44 / 42
									398 / 408 / 386 / 417	287 / 297 / 278 / 306	44 / 42 / 48 / 40
									391 / 415 / 407 / 398	276 / 305 / 295 / 286	48 / 40 / 42 / 44
									414 / 397 / 393 / 405	304 / 285 / 274 / 294	42 / 46 / 48 / 44
									391 / 404 / 395 / 416	272 / 292 / 284 / 303	48 / 44 / 46 / 42
									402 / 394 / 413 / 394	290 / 273 / 302 / 282	44 / 48 / 42 / 46
									391 / 410	280 / 301	46 / 42

INSPECTION BY: M/s. TUV-Rheinland

S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE

 P.O. STATUS:
Incomplete

For, RATNADEEP METAL & TUBES LTD.

INSPECTOR'S/SURVEYOR'S SIGN

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE. SPECIFICATION, PURCHASE ORDER REQUIREMENT.

CERTIFICATE ACCORDING TO EN10204-3.2

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.

P.O. NO. : 3058306, Dated: 30.09.2024

PRODUCT : Carbon Steel, Seamless Cold Drawn, (Heat Treated Straight Tubes (Fully Killed).

SPECIFICATION : SA 179 & SA 450 of ASME Section-II, Part-A, Edition-2023.

DOCUMENT NO. : IP/G/EN/IS_IP_SA 179.

MARKING : RATNADEEP C.S. SMLS TUBE 25.40MM OD X 2.11MM (MIN) THK X 6010MM LONG, ASME SA 179 (COLD DRAWN)

HEAT TREATMENT : HEAT NO: 3418229, MATERIAL NO: 101000065023, P.O. NO: 3058306, DTD: 30.09.2024 (W.O. NO: C-4923) HALDIA

HYDRO TEST : Heat Treatment above 650°C Temperature after cold drawn process.

EDDY CURRENT TEST : 1500 Psi (g) pressure and Holding Time 10 Seconds Minimum each Tube.

REMARKS : As Per ASME SA-450 & ASTM E-309.

(1) Raw Material Maker is M/s. Kirloskar Ferrous Industries Limited and Test Certificate Reviewed By M/s. TUV-Rheinland – Found Satisfactory.

(2) Sample Identification for Chemical & Mechanical Test Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(3) Product Analysis (Chemical) Conducted By Ratnadeep & Report Reviewed By M/s. TUV-Rheinland – Found Satisfactory.

(4) Mechanical Testing Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(5) 100% Eddy Current Testing Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(6) 100% Hydro Test Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(7) 100% Visual Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(8) 100% Dimension Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(9) 100% Marking on tubes Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.

(10) 100% Rust Preventive Transparent Oil coating Conducted By Ratnadeep – Found Satisfactory.

(11) All tubes both ends protect with plastic end caps carried out By Ratnadeep – Found Satisfactory.

(12) Hard Stamped on Metal Tags as “ By M/s. TUV-Rheinland for Identification.

INSPECTION BY: M/s. TUV-Rheinland

S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE

For, RATNADEEP METAL & TUBES LTD.

P.O. STATUS:
Incomplete

INSPECTOR'S/SURVEYOR'S SIGN

MANAGER (Q.C.)

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.

Page 2 of 2

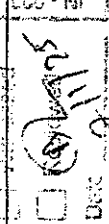
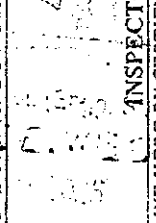
CERTIFICATE ACCORDING TO EN10204-3.2

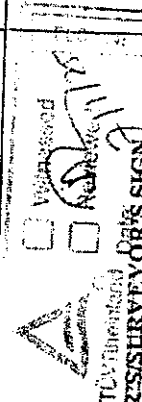
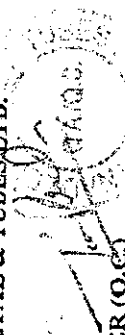
FORMAT NO : F/QC/09 Rev. 00

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.		T.C. NO. : RMTL/CS-735/24-25
P.O. NO. : 3058306, Dated: 30.09.2024		DATE : 07.01.2025
PRODUCT : Carbon Steel, Seamless Cold Drawn, Heat Treated Straight Tubes (Fully Killed).		W.O.NO. : C-4923
SPECIFICATION : SA 179 & SA 450 of ASME Section-II, Part-A, Edition-2023.		QAP NO. : RMTL/C-4923-1/24-25, Rev.02, Dated: 15.11.2024
DOCUMENT NO. : IPC/GEN/IS ITP SA 179.		

P.O. SR. NO.	HEAT NO.	GRADE	DIMENSIONS	Nos Of Pcs	Total Meter	CHEMICAL ANALYSIS (%)							
						S	C	Mn	P	S	Si	Cr	Ni
00005	7932P	----	25.40mm OD x 2.11mm (Min) THK x 10610mm Long (Material No: 101000065023)	966	10249.26	0.06 to 0.18	0.130	0.530	0.010	0.004	--	--	--
						0.126	0.514	0.012	0.006	--	--	--	--
00005	B173	----	25.40mm OD x 2.11mm (Min) THK x 10610mm Long (Material No: 101000065023)	2600	27586.00	0.100	0.430	0.009	0.002	--	--	--	--
						0.105	0.461	0.011	0.005	--	--	--	--

MECHANICAL TEST										TENSILE TEST		
P.O. SR. NO.	HEAT NO.	FLARING	FLANGE	FLATTENING	REVERSE FLATTENING	BEND	REVERSE BEND	HARDNESS (72 HRB MAX.)	TENSILE STRENGTH 325 MPa Min.	YIELD STRENGTH 180 MPa Min.	% ELONGATION Full Cross Section GL=50mm 35.00% Min.	
00005	7932P	Accepted (08 Sample)	N.A.	Accepted (08 Sample)	N.A.	N.A.	N.A.	62 to 68 HRB (08 Sample)	403 / 411 / 394 / 401	281 / 297 / 276 / 286	42 / 40 / 44 / 42	
									396 / 407 / 395 / 405	273 / 286 / 279 / 289	46 / 42 / 44 / 42	
00005	B173	Accepted (22 Sample)	N.A.	Accepted (22 Sample)	N.A.	N.A.	N.A.	61 to 69 HRB (22 Sample)	400 / 389 / 403 / 411	281 / 272 / 286 / 295	42 / 48 / 44 / 40	
									417 / 404 / 392 / 397	302 / 286 / 279 / 280	38 / 42 / 46 / 44	
									408 / 415 / 397 / 402	291 / 298 / 283 / 285	42 / 40 / 42 / 42	
									408 / 396 / 387 / 393	291 / 278 / 271 / 282	40 / 44 / 48 / 46	
00005	B173	Accepted (22 Sample)	N.A.	Accepted (22 Sample)	N.A.	N.A.	N.A.		401 / 408 / 397 / 391	286 / 292 / 277 / 283	44 / 42 / 44 / 46	
									402 / 416	278 / 304	44 / 40	

INSPECTION BY: M/s. TÜV-Rheinland		S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE	
 INSPECTOR'S/SURVEYOR'S SIGN		P.O. STATUS: Incomplete	
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.		MANAGER (Q.C.) 	

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.		CERTIFICATE ACCORDING TO EN10204-3.2	
P.O. NO. : 3058306, Dated: 30.09.2024	FORMAT NO. : F/QC/09 Rev. 00	T.C. NO. : RMTL/CS-735/24-25	
PRODUCT : Carbon Steel, Seamless Cold Drawn, Heat Treated Straight Tubes (Fully Killed).	DATE : 07.01.2025	W.O. NO. : C-4923	
SPECIFICATION : SA 179 & SA 450 of ASME Section-II, Part-A, Edition-2023.	QAP NO. : RMTL/C-4923-1/24-25, Rev.02, Dated: 15.11.2024		
DOCUMENT NO. : IP/G/GEN/IS_JTP_SA 179.			
MARKING : RATNADEEP C.S. SMLS TUBE 25.40MM OD X 2.11MM (MIN) THK X 10610MM LONG, ASME SA 179 (COLD DRAWN)			
HEAT TREATMENT : Heat Treatment above 650°C Temperature after cold drawn process.			
HYDRO TEST : 1500 Psi (g) pressure and Holding Time 10 Seconds Minimum each Tube.			
EDDY CURRENT TEST : As Per ASME SA-450 & ASTM E-309.			
REMARKS :			
(1) Raw Material Maker is M/s. Kirlskar Ferrous Industries Limited (for Heat No. 7932P) and Test Certificate Reviewed By M/s. TUV-Rheinland – Found Satisfactory.			
(2) Raw Material Maker is M/s. Maharashtra Seamless Limited (For Heat No. B173) and Test Certificate Reviewed By M/s. TUV-Rheinland – Found Satisfactory.			
(3) Sample Identification for Chemical & Mechanical Test Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(4) Product Analysis (Chemical) Conducted By Ratnadeep & Report Reviewed By M/s. TUV-Rheinland – Found Satisfactory.			
(5) Mechanical Testing Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(6) 100% Eddy Current Testing Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(7) 100% Hydro Test Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(8) 100% Visual Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(9) 100% Dimension Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(10) 100% Marking on tubes Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland – Found Satisfactory.			
(11) 100% Rust Preventive Transparent-Oil coating Conducted By Ratnadeep – Found Satisfactory.			
(12) All tubes both ends protect with plastic end caps carried out By Ratnadeep – Found Satisfactory.			
(13) Hard Stamped on Metal Tags as “ () ” “By M/s. TUV-Rheinland for Identification.			
INSPECTION BY: M/s. TUV-Rheinland		S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE	
 INSPECTOR'S SURVEYOR'S SIGN		 MANAGER (Q.C.)	
P.O. STATUS: Incomplete			
For, RATNADEEP METAL & TUBES LTD.			
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.			

AN ISO 9001 : 2015, PED 2014/68 EU AD 2000 - Merkblatt W0, ISO 14001 : 2015 & ISO 45001 : 2018

CERTIFICATE ACCORDING TO EN10204-3.2

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.
P.O. NO. : 3058306, Dated: 30.09.2024
PRODUCT : Carbon Steel, Seamless Cold Drawn, Heat Treated Straight Tubes (Fully Killed).
SPECIFICATION : SA 179 & SA 450 of ASME Section-II, Part-A, Edition-2023.
DOCUMENT NO. : IP/G/GEN/IS ITP SA 179.

FORMAT NO : FIQC/09 Rev. 04
T.C. NO. : RMTL/CS-74724-25
DATE : 11.01.2025
W.O. NO. : C-4923
QAP NO. : RMTL/C-4923-1/24-25, Rev.02, Dated: 15.11.2024

P.O. SR. NO.	HEAT NO.	GRADE	DIMENSIONS	Nos Of Pcs	Total Meter	CHEMICAL ANALYSIS (%)							Cu	V	CE
						C S	C Mn	P 0.035 Max.	S 0.035 Max.	Si	Cr	Ni			
00019	B233	----	19.00mm OD x 14 BWG (Min) THK x 7210mm Long (Material No: 101000063545)	4656	33569.760	H 0.105	0.430	0.010	0.003	--	--	--	--	--	--
						P 0.114	0.449	0.012	0.005	--	--	--	--	--	--

MECHANICAL TEST

TENSILE TEST

P.O. SR. NO.	HEAT NO.	FLARING	FLANGE	FLATTENING	REVERSE FLATTENING	BEND	REVERSE BEND	HARDNESS (72 HRB MAX.)	TENSILE STRENGTH 325 MPa Min.		YIELD STRENGTH 180 MPa Min.		% ELONGATION Full Cross Section GL=50mm 35.00% Min.	
									409 / 410 / 397 / 414	295 / 288 / 279 / 302	277 / 309 / 297 / 286	48 / 38 / 44 / 46	44 / 46 / 48 / 40	
									394 / 417 / 406 / 404	277 / 309 / 297 / 286	306 / 289 / 299 / 278	38 / 46 / 42 / 48	38 / 46 / 44 / 42	
									419 / 407 / 410 / 399	307 / 280 / 289 / 298	287 / 295 / 278 / 309	44 / 42 / 46 / 38		
									417 / 402 / 403 / 411	275 / 305 / 297 / 283	285 / 273 / 307 / 292	46 / 48 / 40 / 42		
									405 / 409 / 396 / 416	302 / 276 / 296 / 288	40 / 48 / 42 / 46			
									399 / 418 / 404 / 408	282 / 291 / 272 / 301	46 / 42 / 48 / 40			
									402 / 391 / 412 / 408	284 / 300	46 / 42			
									415 / 397 / 403 / 401					
									406 / 408 / 394 / 418					
									409 / 413					

INSPECTION BY: M/s. TUV-Rheinland

S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE

For, RATNADEEP METAL & TUBES LTD.

INSPECTOR'S/SURVEYOR'S SIGN

P.O. STATUS:
Complete

MANAGER (Q.C.)

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.

Page 1 of 2

TEST CERTIFICATE

P.O. 3058299

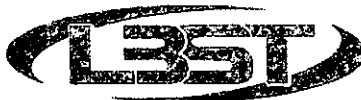


AN ISO 9001:2015, PED 2014/68/EU, AD 2000 - Merkblatt W0, ISO 14001:2015 & ISO 45001:2018
CERTIFICATE ACCORDING TO EN10204-3.2

CUSTOMER		: M/s. HALDIA PETROCHEMICALS LIMITED.																																	
P.O. NO.		: 3058302, Dated: 30.09.2024																																	
PRODUCT		: LT Carbon Steel, Seamless Cold Drawn, Normalized Straight Tubes (Fully Killed).																																	
SPECIFICATION		: SA 334 & SA 1016 of ASME Section-II, Part-A, Edition-2023.																																	
DOCUMENT NO.		: IP/G/GEN/IS JTP SA 334 (Seamless).																																	
T.C. NO.		: RMTL/CS-647/24-25																																	
DATE		: 27.11.2024																																	
W.O. NO.		: C-4921																																	
QAP NO.		: RMTL/C-4921-2-24-25, Rev 01, Dated: 28.10.2024																																	
P.O. SR. NO.		HEAT NO.		GRADE		DIMENSIONS		Nos. Of Pes.		Total Meters		CHEMICAL ANALYSIS (%)																							
00011		7949P		6		19.05mm OD x 2.11mm (Min) THK x 3100mm Long (Material No: 101000121415)		900		2790.00		S		C		Mn		P		S		Si		Cr		Mo		Ni		Cu		V		CN	
												H		I		0.150		1.030		0.013		0.003		0.220											
												P		0.138		0.988		0.014		0.006		0.235													
MECHANICAL TEST																																			
P.O. SR. NO.		HEAT NO.		FLARING		FLATTENING		HARDNESS (90 HRB Max.)		TENSILE STRENGTH (415 MPa Min.)		YIELD STRENGTH (240 MPa Min.)		% ELONGATION Full Size Specimen GL=50mm (30.00% Min)		IMPACT TEST																			
00011		7949P		Accepted (16 Sample)		Accepted (16 Sample)		72 to 79 HRB (16 Sample)		497 / 505 / 491 / 502 / 493		282 / 302 / 290 / 297 / 287		44 / 40 / 44 / 42 / 44		Charpy Impact Value V Notch at -56°C (in Joules)																			
										483 / 500 / 508 / 507 / 503		276 / 296 / 306 / 301 / 291		46 / 42 / 40 / 40 / 42		Specimen Size: 10x2.5x55mm																			
										502 / 498 / 499 / 492 / 510		306 / 282 / 281 / 278 / 306		36 / 44 / 44 / 44 / 40		(On Raw Material : 38.10mm OD x 4.00mm THK)																			
										506 / 504 / 492 / 507 / 518		298 / 299 / 284 / 304 / 311		42 / 42 / 44 / 42 / 40		Average Value																			
MARKING : RATNADEEP C.S. SMLS TUBE 19.05MM OD X 2.11MM (MIN) THK X 3100MM LONG, ASME SA 334 GR. 6 (COLD DRAWN)																																			
HEAT NO: 7949P, MATERIAL NO: 101000121415, P.O. NO: 3058302, DTD: 30.09.2024 (W.O. NO: C-4921) HALDIA																																			
HEAT TREATMENT : Normalizing above 845°C Temperature after cold drawn process.																																			
HYDRC TEST : 1000 Psi (g) pressure and Holding : time 10 Seconds Minimum each Tube.																																			
EDDY CURRENT TEST : As Per ASME SA-1016 & ASTM E-309.																																			
REMARKS : (1) Raw Material Maker is M/s. Kirloskar Ferrous Industries Limited and Test Certificate Reviewed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(2) Impact Test (on Raw Material Size) Conducted at M/s. Bunitch Metallurgical Services (NABL Lab) By Ratnadeep & Report Reviewed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(3) Sample Identification for Chemical & Mechanical Test Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(4) Product Analysis (Chemical) Conducted By Ratnadeep & Report Reviewed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(5) Mechanical Testing Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(6) 100% Eddy Current Testing Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(7) 100% Hydro Test Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(8) 100% Visual Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(9) 100% Dimension Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(10) 100% Marking on tubes Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.																																			
(11) 100% Rust Preventive Transparent Oil coating Conducted By Ratnadeep - Found Satisfactory.																																			
(12) All tubes both ends protect with plastic end caps carried out By Ratnadeep - Found Satisfactory.																																			
(13) Hard Stamped on Metal Tags as "By M/s. TUV-Rheinland for Identification."																																			
INSPECTION BY : M/s. TUV-Rheinland																																			
P.O. STATUS: Complete										S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE										For, RATNADEEP METAL & TUBES LTD.															
Inspector's Signature										Inspector's Signature										Inspector's Signature															
Inspector's Signature										Inspector's Signature										Inspector's Signature															
We hereby certify that the material herein described has been manufactured, sampled, tested and inspected in accordance with above size, specification and purchase order requirement.																																			
MANAGER (Q.C.)																																			

Works :- Suvery No. 1015, Village-Rajpur, Taluka: Kadi, District : Mehsana - 382 715, (Gujarat) India. Tel. : +91-2764-267 510 Fax +91-2764-267 511

CIN NO. U27101GJ2002PLC040863 • Email : works@ratnadeepmetal.com • Visit us at : www.ratnadeepmetal.com



LAL BABA SEAMLESS TUBES

7

MILL TEST CERTIFICATE

CERTIFICATE ACCORDING TO EN 10204 : 3.2

URCHASER NAME :	M/s. HALDIA PETROCHEMICALS LTD.	TEST CERTIFICATE No.:	1055/2018
URCHASER ORDER No. :	3044552	Date :	14-12-2018
WORK ORDER No. :	LBST / WO / DOM / 4428	Date :	15-12-2018
NAME OF PRODUCT :	LOW CARBON STEEL SEAMLESS STEEL TUBES	INVOICE NO:	-
PROCESS OF TUBE MANUFACTURE :	COLD DRAWN SEAMLESS	INVOICE Date :	-
TEEL MAKING METHOD :	BOF-LF/IRUT-CCM-ROUND METHOD, Fully Killed		
PECIFICATION & GRADE :	ASME SEC II PART-A, SA 179(EDT-2017)		

No.	LBST HEAT NO	SUPPLIER HEAT NO	SIZE				Quantity			General	
			OD (mm)	ID (mm)	WT (mm)	Length (Mtrs)	Nos.	Mtrs.	MT.	End Condition	Coating
1	RA1863	18E03392	OD 20.00 x Thk 2.108(min) x 3.068Mtrs. Long				228	699.50	-	Plain End	varnish
2	RA1863	18E03392	OD 20.00 x Thk 2.108(min) x 4.064Mtrs. Long				228	926.59	-	Plain End	varnish

CHEMICAL COMPOSITION (%)

Sr. No.	HEAT NO	REQUIRED	%C	%MN	%S	%P	-	-	-	-	-	-
		Max	0.18	0.63	0.035	0.035	-	-	-	-	-	-
		MIN	0.06	0.27			-	-	-	-	-	-
1&2	18E03392	L/A	0.160	0.490	0.006	0.021	-	-	-	-	-	-
	RA1863	P1/A	0.150	0.486	0.007	0.021	-	-	-	-	-	-

MECHANICAL PROPERTIES

Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	HARDNESS (HRB)	IMPACT TEST	FLATTENING TEST	FLARING TEST	GRAIN SIZE
			G.L. = 50 mm, Tube tested on full section							
		Max	-	-	-	72				
		MIN	325	180	35					
1	RA1863		382.32	273.09	44.86	63 - 63	NA	OK	OK	NA
2	RA1863		385.03	275.02	47.54	64 - 65	NA	OK	OK	NA

NON-DESTRUCTIVE TEST

Sr. No.	HEAT NO	HYDRO-STATIC TEST as per SA450(100%)	E.C.T. as Per ASTM E-309 (100%)	U.T. AS PER ASTM E-213 (100%)	SURFACE QUALITY		DIMENSION TOLERANCE as per Specification
					IN SIDE	OUT SIDE	
1	RA1863	1000 PSI, OK	OK	NA	Satisfactory	Satisfactory	Satisfactory
2	RA1863	1000 PSI, OK	OK	NA	Satisfactory	Satisfactory	Satisfactory

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

MARKING: LBST / CDS / SA 179 / SIZE..... / H. NO. RA1863 / HYD. 1000 PSI

REMARKS: 1. Legends: L/A= Load Analysis, P1/A= Product Analysis One.
2. Straightness:- satisfactory

We hereby certify that the material herein described has been Manufacture Sample tested & Inspected in accordance with above standard & specification & satisfy the requirement.

For, LAL BABA SEAMLESS TUBES PVT. LTD.

ISSUED BY:

Kalipada Samanta
ENGINEER (QA/QC)

COMPANY:

Prasenjit Puri
Sr. ENGINEER (QA/QC)

DOC. No: LBST/QAR/15 Rev.01 Dt: 01.07.2017

Page 1 of 1

Vendor should include automatic Heat treatment cycle for a particular PO in future.

heeray
04/03/2019

(HPL inspection)

LAL BABA SEAMLESS TUBES PRIVATE LIMITED

[AN IATF16949:2016, ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Company]

Corporate Office : Plot No.-Y9, 3rd Floor, EP Block, Sector-V, Salt Lake City, Bidhannagar, Kolkata -700 091

Works : Kashberia, Bardhanyoghata, Debhog, HPL Link Road, Haldia, Purba Medinipur-721602, WB., INDIA

Website : www.lbstubes.com





RATNADEEP METAL & TUBES LTD.

TEST CERTIFICATE

P.O. 3053337

AN ISO 9001 : 2015, PED 2014/68/EU, AD 2000 - Merkblatt W0, ISO 14001 : 2015 & ISO 45001 : 2018

CERTIFICATE ACCORDING TO EN10204-3.2

FORMAT NO : F/QC/09 Rev. 00

CUSTOMER	: M/s. HALDIA PETROCHEMICALS LIMITED.			T.C. NO.	: RMTL/CS-435/22-23		
P.O. NO.	: 3053337, Dated: 22.09.2022			DATE	: 22.11.2022		
PRODUCT	: Carbon Steel, Seamless Cold Drawn, Heat Treated Straight Tubes (Fully Killed).			W.O.NO.	: C-4097		
SPECIFICATION	: ASTM A 179 -090a, A 450-10			QAP NO.	: RMTL/C-4097/22-23, Rev.01, Dated: 19.10.2022		

P.O. SR. NO.	HEAT NO.	GRADE	DIMENSIONS	Nos Of Pcs	Total Meter	CHEMICAL ANALYSIS (%)										
						S	C	Mn 0.27 to 0.63	P 0.035 to Max.	S 0.035 to Max.	Si	Cr	Ni	Mo	Cu	V
00001	B65 (Lot-1)	----	25.40mm OD X 2.30mm (Min) THK X 8514mm Long (Material No: 101000097307)	2400	20433.60	H	0.090	0.430	0.011	0.005	---	---	---	---	---	---
						P	0.105	0.458	0.014	0.008	---	---	---	---	---	---

P.O. SR. NO.	HEAT NO.	FLARING	FLANGE	FLATTENING	REVERSE FLATTENING	BEND	REVERSE BEND	HARDNESS (72HRB MAX.)	TENSILE TEST			% ELONGATION Full Cross Section GL=50mm 35.00% Min.
									TENSILE STRENGTH 325 MPa Min.	YIELD STRENGTH 180 MPa Min.		
00001	B65 (Lot-1)	Accepted	N.A.	Accepted	N.A.	N.A.	N.A.	62 to 68 HRB	400 / 390 / 387 / 387	285 / 283 / 278 / 287	44 / 48 / 44 / 42.8	43 / 46

MARKING : RATNADEEP C.S. SMLS TUBE 25.40MM OD X 2.30MM (MIN) THK X 8514MM LONG, ASTM A 179 (COLD DRAWN)
HEAT NO: B65 (LOT-1), MAT. NO: 101000097307, P.O. NO: 3053337, DTD: 22.09.2022 (W.O. NO: C-4097) HALDIA

HEAT TREATMENT : Heat Treatment above 650°C Temperature.

HYDRO TEST : 1500 Psi (g) pressure and Holding Time 10 Seconds Minimum each Tube.

EDDY CURRENT TEST : As Per ASME SA-450 & ASTM E-309.

REMARKS : (1) Raw Material Maker is M/s. Maharashtra Seamless Limited and Test Certificate Reviewed By M/s. TUV INDIA - Found Satisfactory.

(2) Product Analysis Conducted By Ratnadeep & Report Reviewed By M/s. TUV INDIA - Found Satisfactory.

(3) Mechanical Testing Conducted By Ratnadeep & Witnessed By M/s. TUV INDIA - Found Satisfactory.

(4) 100% Eddy Current Testing Conducted By Ratnadeep & 10% at random Witnessed By M/s. TUV INDIA - Found Satisfactory.

(5) 100% Hydro Test Conducted By Ratnadeep & 10% at random Witnessed By M/s. TUV INDIA - Found Satisfactory.

(6) 100% Visual & Dimension Inspection Conducted By Ratnadeep & 10% at random Witnessed By M/s. TUV INDIA - Found Satisfactory.

(7) 100% Marking on tubes Conducted By Ratnadeep & Random Verified By M/s. TUV INDIA - Found Satisfactory.

(8) Rust Preventive Transparent Oil applied on all tubes.

(9) All tubes both ends protect with plastic end caps.

(10) Hard Stamped on Metal Tags as "By M/s. TUV INDIA for Identification."

INSPECTION BY: M/s. TUV INDIA

S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE

P.O. STATUS :- Complete

For, RATNADEEP METAL & TUBES LTD.

R. B. Patel
MANAGER (Q.C.)

INSPECTOR/SURVEYOR'S SIGN

WE HERE BY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.

Works :- Suvery No. 1015, Village-Rajpur, Taluka : Kadi, District : Mehsana - 382 715, (Gujarat) India. Tel. : +91-2764-267 510 Fax +91-2764-267 511

CIN NO. U27101GJ2002PLC040863 • Email : works@ratnadeepmetal.com • Visit us at : www.ratnadeepmetal.com

P.O. 3060461



RATNADEEP

METAL AND TUBES LIMITED

TEST CERTIFICATE

AN ISO 9001:2015, PED 2014 0010, AD 2000 - Mandant NO ISO 14001:2015 & ISO 45001:2018
CERTIFICATE ACCORDING to EN10204-3.2

FORMAT NO : F/QC09 Rev. 00

CUSTOMER : M/s. HALDIA PETROCHEMICALS LIMITED.

P.O. NO. : 3060461, Dated: 13.05.2025 & LOA No.: 2B-40IN/TUBE/001, Dated: 08.05.2025

PRODUCT : Alloys Steel, Seamless Cold Drawn Normalized & Tempered Straight Tubes (Fully Killed).

SPECIFICATION : SA 213 & SA 1016 of ASME Section-II, Part-A, Edition-2023.

T.C. NO. : RMTL/CS-100/25-26

DATE : 14.05.2025

W.O. NO. : C-5197

QAP NO. : RMTL/C-5197/25-26, Dated: 08.05.2025

P.O. SR. NO.	HEAT NO.	GRADE	DIMENSIONS	NO OF PCS	Total Meters	CHEMICAL ANALYSIS (%)									
						C	Si	Min	P	S	Cr	Mo	Ni	Cu	V
00001	8197P	T11	19.00mm OD x 2.11mm (Min) THK x 3010mm Long. (Material No: 101000124724)	100	301.00	S	0.05-0.15	0.30-0.60	0.025 Max.	0.025	1.00-1.50	0.44-0.65	-	-	-
						H	0.115	0.720	0.012	0.007	1.170	0.500	-	-	-
						P	0.121	0.708	0.010	0.009	1.200	0.530	-	-	-

MECHANICAL TEST

P.O. SR. NO.	HEAT NO.	FLARING	FLANGE	FLATTENING	REVERSE FLATTENING	BEND	REVERSE BEND	HARDNESS (85 HRB Max.)	TENSILE STRENGTH (415 MPa Min)	YIELD STRENGTH (205 MPa Min)	% ELONGATION Full Cross Section Gauge Length=50mm Min. 30%
00001	8197P	Accepted (2 Sample)	N.A.	Accepted (2 Sample)	N.A.	N.A.	N.A.	74 to 79 HRB (2 Sample)	574 / 574	310 / 300	44 / 40

MARKING

: RATNADEEP A.S. SMLS TUBE 19.00MM OD X 2.11MM (MIN) THK X 3010MM LONG, ASME SA 213 GR. T11 (COLD DRAWN) HEAT NO: 8197P, LOA NO: 2B-40IN/TUBE/001, DTD: 08.05.2025 (W.O. NO: C-5197) "PMI OK" HALDIA

HYDRO TEST : Normalizing above 900°C Temperature and Tempering above 650°C Temperature after cold drawn process.

EDDY CURRENT TEST : 1000 Psi (g) pressure and Holding Time 10 Seconds Minimum each Tube.

REMARKS : (1) Raw Material Maker is M/s. Kirloskar Ferrous Industries Limited and Test Certificate Reviewed By M/s. TUV-Rheinland - Found Satisfactory.

(2) Sample Identification for Chemical & Mechanical Test Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(3) Product Analysis (Chemical) Conducted By Ratnadeep & Report Reviewed By M/s. TUV-Rheinland - Found Satisfactory.

(4) Mechanical Testing Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(5) 100% Eddy Current Testing Conducted By Ratnadeep & Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(6) 100% Hydro Test Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(7) 100% PMI Testing Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(8) 100% Visual Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(9) 100% Dimension Inspection Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(10) 100% Marking on tubes Conducted By Ratnadeep & 10% Random Witnessed By M/s. TUV-Rheinland - Found Satisfactory.

(11) 100% Rust Preventive Transparent Oil coating Conducted By Ratnadeep - Found Satisfactory.

(12) All tubes both ends protect with plastic end caps carried out By Ratnadeep - Found Satisfactory.

(13) Hard Stamped on Metal Tags as "By M/s. TUV-Rheinland for Identification."

INSPECTION BY : M/s. TUV-Rheinland

S = SPECIFICATION, H = HEAT ANALYSIS, P = PRODUCT, N.A. = NOT APPLICABLE

For, RATNADEEP METAL & TUBES LTD.

P.O. STATUS: Complete

INSPECTOR'S/SURVEYOR'S SIGN

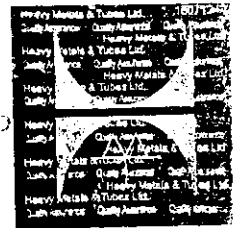
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE, SPECIFICATION, PURCHASE ORDER REQUIREMENT.

MANAGER (Q.C.)

Works :- Suvery No. 1015, Village-Rajpur, Taluka : Kadi, District : Mehsana - 382 715, (Gujarat) India. Tel. : +91-2764-267 510 Fax +91-2764-267 511

CIN NO. U27101GJ2002PLC040863 • Email : works@ratnadeepmetal.com • Visit us at : www.ratnadeepmetal.com

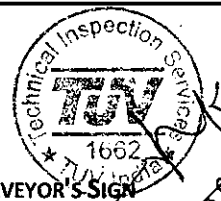
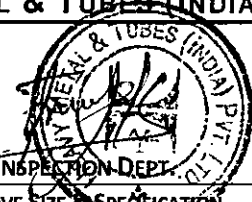
M/S HALDIA PETROCHEMICALS (INDIA) PVT. LTD.



TEST CERTIFICATE

EN 10204-3.2

FORMAT NO: F-C-07-25 Rev.01

CUSTOMER :		M/S HALDIA PETROCHEMICALS LIMITED				T.C. No. :		HMTIPL/QA/CS-1130/23					
P.O. No. :		3054030 Dt: 02.02.2023				DATE :		06.06.2023					
PRODUCT :		CARBON STEEL SEAMLESS TUBES. (COLD DRAWN & HEAT TREATED) (FULLY KILLED STEEL)				W.O.No. :		CS-0260					
SPECIFICATION :		ASTM A-179-19,				INSP. BY :		TUV					
APPROVED QAP NO: HMT/QA/CS-0260/22 Rev.0 Dt: 19.02.2023													
P.O. SR. No.	HEAT NO.	MATERIAL CODE	DIMENSIONS				No. OF TUBES	TOTAL LENGTH METERS					
1	22D00748	101000069550	19,00mm OD X 14BWG(MIN) X 7200mm LONG				2000	14400.000					
CHEMICAL ANALYSIS (%)													
P.O. SR. No.	HEAT NO.	* S	C 0.06-0.18	Mn 0.27-0.63	P 0.035 Max	S 0.035 Max	Si	Ni	Cr	Mo	Cu	V	CE
1	22D00748	H	0.15	0.37	0.015	0.002	---	---	---	---	---	---	---
		P	0.14	0.39	0.010	0.004	---	---	---	---	---	---	---
MECHANICAL PROPERTIES													
P.O. SR. No.	HEAT NO.	FLARING	FLATTENING	BEND	HARDNESS [HRB] 72 MAX	YIELD STRENGTH MPA (180 MIN)	TENSILE STRENGTH MPA (325 MIN)	%ELONGATION GL...50..MM (35% MIN)					
1	22D00748	ACCEPTABLE	ACCEPTABLE	N.A	59 To 63	278	425	46%					
						288	423	48%					
MARKING : HMT... SIZE....SPECIFICATION.... HEAT NO...W.O.NO.....HALDIA PETROCHEMICALS LIMITED P.O.NO.: DT...MATERIAL CODE NO....													
HEAT TREATMENT : HEAT TREATED AT 742°C TO 760°C TEMPERATURE.													
HYDRO TEST (100%) : 1000 Psi(g) (HOLDING TIME 10 SEC.(MIN)) (DRAINING & DRYING DONE AFTER HYDRO TEST)													
EDDY CURRENT TEST : SATISFACTORY (AS PER ASTM E-309/A-450)													
REMARKS :													
(1). 100% VISUAL & DIMENSIONAL CHECKED CARRIED OUT BY HMTIPL & 10% CHECKED BY TUV -FOUND SATISFACTORY.													
(2). MECHANICAL TESTS CONDUCTED BY HMTIPL & WITNESSED BY TUV -FOUND SATISFACTORY.													
(3). CHEMICAL [PRODUCT ANALYSIS] TESTS CONDUCTED BY HMTIPL & REPORT REVIEWED BY TUV -FOUND SATISFACTORY.													
(4). 100% EDDY CURRENT TEST CONDUCTED BY HMTIPL & 10% WITNESSED BY TUV -FOUND SATISFACTORY.													
(5). 100% HYDRO TEST CONDUCTED BY HMTIPL & 10% WITNESSED BY TUV -FOUND SATISFACTORY.													
(6). 100% TUBES OILED BEFORE PACKING.													
(7). ON PAPER TAG STAMPED AS "  " BY TUV FOR IDENTIFICATION ONLY.													
* H = HEAT ANALYSIS, P = PRODUCT ANALYSIS S= SPECIFICATION													
 SURVEYOR'S SIGN P.Q. STATUS : COMPLETE 1662					FOR, HEAVY METAL & TUBES (INDIA) PVT.LTD  Q.A. INSPECTION DEPT.								
WE HEREBY CERTIFY THAT THE MATERIAL HERE IN DESCRIBED HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SIZE & SPECIFICATION													

4 JUL 2023

Entry No.

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
Inspector:	Mr. Mehul Patel	Page : 1 of 6

Project name:	Issuing Office:
For HPL, Haldia	Vadodara
Client: 101-75693 M/s. Haldia Petrochemicals Limited.	PO No.: 3058306 Dated: 30/09/2024 (M/s. HPL to M/s. RMTL.)
Contact: Mr. Subhajit Seth -9874662250	Ref / Order No.: ARC NO:4010923
	TÜV order number: --
Sub Vendor: NA	
Vendor/Manufacturer: M/s. Ratnadeep Metal & Tubes Ltd.	Vendor's Ref: C-4923
Contact: Mr. Tarun Patel (RMTL) (9724337453)	Place of Inspection: M/s. Ratnadeep Metal & Tubes Ltd. Survey no. 1015/2, Village- Rajpur, Tal - Kadi, Dist- Mehsana.
Attendees: Mr. Tarun Patel obo RMTL Mr. Mehul Patel obo TUV R	Date of Inspection: 02.01.2025 to 07.01.2025

Equipment/goods inspected: Carbon Steel & LTCS Seamless Tubes

Inspection according to:	
ITP / QCP No.:	
RMTL/C-4923-1/24-25 Rev.02	Specification: as per QAP
RMTL/C-4923-2/24-25 Rev.01	
Codes / standards: as per QAP	Drawing No.: --
Scope of work:	
☒ Quantity inspection ☒ Visual inspection ☒ Dimension inspection	☒ Functional test witness ☐ Performance test witness ☐ Coating/ painting inspection
☒ Packing/ Marking inspection ☒ Document review. ☒ Others (see remarks)	
Remarks: Witnessed Mechanical Test.	
☐ full inspection ☐ partial inspection ☒ random inspection - 10 %	

Inspection result:

☒ Satisfactory
 ☐ Partial non-conforming
 ☐ Rejected
 ☐ Aborted.

Annex 7 of MS-0049461; Rev-0

TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
 Karnataka, Tel : +91- 80- 46498000, Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
Inspector:	Mr. Mehul Patel	Page : 2 of 6

Documentation:
☒ Complete and in order ☐ not complete (please see report details)
Deviations found:
☒ None ☐ to contract ☐ to drawings ☐ to ITP / QCP / PO

(Please see separate nonconformance report)

Conclusion: As per Inspection activity vendor offered material found Satisfactory.**INSPECTION DETAILS****Material / Products / Components inspected:**

PO SI No.	Brief Description	Total Ordered Quantity	Presented Quantity this Visit	Accepted Quantity this Visit
00004	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 6010 mm Long, Heat No – 3418229	2580 Nos	2580 Nos	2580 Nos
00005	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 10610 mm Long, Heat No – 7932P, B173	3566 Nos	3566 Nos	3566 Nos
00006	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 5010 mm Long, Heat No – 3418229	863 Nos	863 Nos	863 Nos
00007	LTCS Seamless Tubes, SA 334 Gr 1, 19.05 mm OD x 2.11 mm (Min) THK x 6010 mm Long, Heat No – 8921P	1191 Nos	1191 Nos	1191 Nos
00008	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 6010 mm Long, Heat No – 3418229	3438 Nos	3438 Nos	3438 Nos
00011	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 5010 mm Long, Heat No – 3418229	36 Nos	36 Nos	36 Nos
00012	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 5010 mm Long, Heat No – 3418229	280 Nos	280 Nos	280 Nos
00018	CS Seamless Tubes, SA 179, 25.40 mm OD x 2.11 mm (Min) Thk. x 2510 mm Long, Heat No – 3418229	96 Nos	96 Nos	96 Nos

Detailed Scope of Inspection: SA 179 (QAP - RMTL/C-4923-1/24-25 Rev.02)

- As per QAP Sr. No. 1– Reviewed Raw Material Test Certificate as per Specification – Found in order.
- As per QAP Sr. No. 2- Reviewed Heat Treatment Record as per specification – Found in order.
- As per QAP Sr. No. 3- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 4- Reviewed Chemical Test report as per specification. – Found in order.
- As per QAP Sr. No. 5 to 8- Witnessed Physical Test (Flaring, Flattening, Hardness & Tensile Test) as per specification & approved QAP. – Found Satisfactory.

Annex 7 of MS-0049461; Rev-0

TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
Karnataka, Tel : +91- 80- 46498000, Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
Inspector:	Mr. Mehul Patel	Page : 3 of 6

- As per QAP Sr. No. 9- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
 - As per QAP Sr. No. 10- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
 - As per QAP Sr. No. 11- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.
 - As per QAP Sr. No. 12- Witnessed dimensional inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
 - As per QAP Sr. No. 13- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.
 - As per QAP Sr. No. 14- Reviewed manufacturer's final test certificate of offered tubes - Found in order.
- SA 334 GR.1 (QAP - RMTL/C-4923-2/24-25 Rev.01)**
- As per QAP Sr. No. 1– Reviewed Raw Material Test Certificate as per Specification – Found in order.
 - As per QAP Sr. No. 2– Reviewed Impact Test Report on Raw Material as per Specification – Found in order.
 - As per QAP Sr. No. 3- Reviewed Heat Treatment Normalizing Record as per specification – Found in order.
 - As per QAP Sr. No. 4- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
 - As per QAP Sr. No. 5- Reviewed Chemical Test report as per specification. – Found in order.
 - As per QAP Sr. No. 6 to 9- Witnessed Physical Test (Flaring, Flattening, Hardness & Tensile Test) as per specification & approved QAP. – Found Satisfactory.
 - As per QAP Sr. No. 10- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
 - As per QAP Sr. No. 11- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
 - As per QAP Sr. No. 12- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.
 - As per QAP Sr. No. 13- Witnessed dimensional inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
 - As per QAP Sr. No. 14- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.
 - As per QAP Sr. No. 15- Reviewed manufacturer's final test certificate of offered tubes - Found in order.

Standards and Documentation:

SR No	DOCUMENT TITLE	DOC. No.	DOC. REV.	App. Status/code	Approved By
1	QAP	RMTL/C-4923-1/24-25	2	Approved	Client
2	QAP	RMTL/C-4923-2/24-25	1	Approved	Client

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TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right. 14
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
Inspector:	Mr. Mehul Patel	Page : 4 of 6

Witnessed Tests:

- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
- Witnessed Physical Test (Flaring, Flattening, Hardness & Tensile Test) as per specification & approved QAP. – Found Satisfactory.
- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.
- Witnessed dimensional inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.

Used Test Equipment:

Equipment name	Type /Model	Identification No./Calibration No.	Valid range/Accuracy	Calibration valid to
Pressure Gauge	Shreeji	PG-145	0-210 KG/CM2	15.01.2025
Pressure Gauge	Shreeji	PG-144	0-210 KG/CM2	15.01.2025
OD Micrometer	Mitutoyo	S/N-26052025	0 to 25 MM	29.07.2025
OD Micrometer	Mitutoyo	S/N-17168492	25 to 50 MM	29.07.2025
THK Micrometer	Mitutoyo	06086600	0 to 25 MM	29.07.2025
Measuring Tape	FREEMANS	M-Tape-A-01	0 to 15 M	02.01.2026
Vernier Caliper	Mitutoyo	S/N-18078646	0 to 300 MM	02.01.2026
UTM Machine	FIE	02/ 2005-3182	400 KN	10.05.2025
Hardness Tester	Saroj	05/ 03/ 134	0-100 HRC/HRBW/HRC	10.05.2025
ECT Machine	Technofour	FTS-EC-121-19	--	01.08.2025

INSPECTION ACTIVITIES

Which inspection steps are done? Write down all with details and final result.

Activity/ITP/ QCP No.	Description of Activity with Inputs and Outputs	Results
<u>SA 179 (QAP - RMTL/C-4923-1/24-25 Rev.02)</u>		
1	Reviewed Mother tube Test Certificate	Satisfactory
2	Reviewed Heat Treatment Record	Satisfactory
3	Witnessed Sampling for Chemical & Mechanical Test	Satisfactory
4	Reviewed Product Analysis	Satisfactory
5 to 8	Witnessed Flaring, Flattening, Hardness & Tensile Test	Satisfactory
9	Witnessed Eddy Current Test	Satisfactory

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TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
Karnataka, Tel : +91- 80- 46498000, Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
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10	Witnessed Hydro Test	Satisfactory
11	Witnessed Visual Inspection	Satisfactory
12	Witnessed Dimensional Inspection	Satisfactory
13	Verified Marking Inspection	Satisfactory
14	Reviewed Test Certificate	Satisfactory
SA 334 GR.1 (QAP - RMTL/C-4923-2/24-25 Rev.01)		
1	Reviewed Mother tube Test Certificate	Satisfactory
2	Reviewed Impact Test on Raw Material	Satisfactory
3	Reviewed Heat Treatment Record	Satisfactory
4	Witnessed Sampling for Chemical & Mechanical Test	Satisfactory
5	Reviewed Product Analysis	Satisfactory
6 to 9	Witnessed Flaring, Flattening, Hardness & Tensile Test	Satisfactory
10	Witnessed Eddy Current Test	Satisfactory
11	Witnessed Hydro Test	Satisfactory
12	Witnessed Visual Inspection	Satisfactory
13	Witnessed Dimensional Inspection	Satisfactory
14	Verified Marking Inspection	Satisfactory
15	Reviewed Test Certificate	Satisfactory

Details:

Observation: Nil.
Pending Activity: Nil.

Documentation Control:

Document name	Version	Approved by client
RMTL/C-4923-1/24-25, RMTL/C-4923-2/24-25	--	Yes

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PO-3058306

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00041	Date : 07.01.2025
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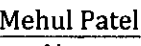
Non-Conformities:

Please list all found nonconformities and refer to the separate non conformity report including the report number.

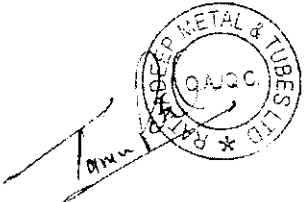
Report No.	Description	Date Raised	Status
-	-	-	-

☐ A punch list is available. Any punch list should be provided by the manufacturer but signed by the inspector and manufacturer's representative.

☐ Manufacturer informed about nonconformities by inspector

Issued by:  ☐ Witnessed ☒ Reviewed Date: _____  Mehul Patel Name Signature	Reviewed by:  ☒ Witnessed ☒ Reviewed Date: _____  SOURMEN MANNA Name Signature

Manufacturer Sign:



Disclaimer:

This report reflects our findings during inspection in time and place according to the agreed scope of our performance or deliverables and does not release buyer and/or seller from their contractual responsibilities. This report does not construe any guarantee or warranty that the purchase contract between buyer and seller is fulfilled correctly and all performances have been delivered without any defect. Furthermore, the report and its results does not affect any potential buyer's right to claim for compensation or remedy towards the seller/supplier of apparent or hidden defects not detected during our inspection or occurred afterwards.

PICTURES: Photography prohibited.

---END REPORT---

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TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
Karnataka,Tel : +91- 80- 46498000,Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com

PO-3058306

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
Report No.:	TRI/AHM/HPL/RMPL/IR-2025-00274	Date : 11.01.2025
Inspector:	Mr. Mehul Patel	Page : 1 of 6

Project name:	Issuing Office: CO
For HPL, Haldia 101-97012 101-97011	Vadodara
Client: M/s. Haldia Petrochemicals Limited. 101-121556	PO No.: 3058306 Dated: 30/09/2024 (M/s. HPL to M/s. RMTL.)
Contact: Mr. Subhajit Seth -9874662250	Ref / Order No.: ARC NO:4010923
	TÜV order number: --
Sub Vendor: NA	
Vendor/Manufacturer: M/s. Ratnadeep Metal & Tubes Ltd.	Vendor's Ref: C-4923
Contact: Mr. Tarun Patel (RMTL) (9724337453)	Place of Inspection: M/s. Ratnadeep Metal & Tubes Ltd. Survey no. 1015/2, Village- Rajpur, Tal - Kadi, Dist- Mehsana.
Attendees: Mr. Tarun Patel obo RMTL Mr. Mehul Patel obo TÜV R	Date of Inspection: 02.01.2025 to 11.01.2025

Equipment/goods inspected: Carbon Steel & LTCS Seamless Tubes

Inspection according to:	
ITP / QCP No.:	Specification: as per QAP
RMTL/C-4923-1/24-25 Rev.02	
RMTL/C-4923-3/24-25 Rev.02	
Codes / standards: as per QAP	Drawing No.: --
Scope of work:	
☒ Quantity inspection ☒ Visual inspection ☒ Dimension inspection	☒ Functional test witness ☐ Performance test witness ☐ Coating/ painting inspection
☒ Packing/ Marking inspection ☒ Document review. ☒ Others (see remarks)	
Remarks: Witnessed Mechanical Test.	
☐ full inspection ☐ partial inspection ☒ random inspection - 10 %	

Inspection result:

☒ Satisfactory
 ☐ Partial non-conforming
 ☐ Rejected
 ☐ Aborted.

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TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
 Karnataka, Tel : +91- 80- 46498000, Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com

TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
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Documentation:
☒ Complete and in order ☐ not complete
Deviations found:
☒ None ☐ to contract ☐ to drawings ☐ to ITP / QCP / PO

Conclusion: As per Inspection activity vendor offered material found Satisfactory.
INSPECTION DETAILS**Material / Products / Components inspected:**

PO SI No.	Brief Description	Total Ordered Quantity	Presented Quantity this Visit	Accepted Quantity this Visit
00001	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 5010 mm Long, Heat No – 7932P	252 Nos	252 Nos	252 Nos
00002	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 5010 mm Long, Heat No – 7932P	263 Nos	263 Nos	263 Nos
00003	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 5010 mm Long, Heat No – 7932P	89 Nos	89 Nos	89 Nos
00009	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 3010 mm Long, Heat No – 7932P	479 Nos	479 Nos	479 Nos
00010	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 3010 mm Long, Heat No – 7932P	1097 Nos	1097 Nos	1097 Nos
00013	Copper Nickel Seamless Tubes, B-311/C44300 19.05 mm OD x 1.2 mm (Avg.) Thk. x 1500 mm Long, Heat No – 24C655 (101-9700)	212 Nos	212 Nos	212 Nos
00014	Copper Nickel Seamless Tubes, B-311/C44300 19.05 mm OD x 1.2 mm (Avg.) Thk. x 2425 mm Long, Heat No – 24C655 (101-9701)	212 Nos	212 Nos	212 Nos
00015	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 7210 mm Long, Heat No – 3417281	5152 Nos	5152 Nos	5152 Nos
00016	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 6010 mm Long, Heat No – 7943P	585 Nos	585 Nos	585 Nos
00017	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 6510 mm Long, Heat No – 7943P	1272 Nos	1272 Nos	1272 Nos
00019	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 7210 mm Long, Heat No – B233	4656 Nos	4656 Nos	4656 Nos
00020	CS Seamless Tubes, SA 179, 19.00 mm OD x 14 BWG (Min) Thk. x 7210 mm Long, Heat No – 6675P	4234 Nos	4234 Nos	4234 Nos
00021	Copper Nickel Seamless Tubes, B-311/C44300 19.05 mm OD x 1.2 mm (Avg.) Thk. x 1416 mm Long, Heat No – 24C655 (101-12556)	127 Nos	127 Nos	127 Nos

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Detailed Scope of Inspection: SA 179 (QAP - RMTL/C-4923-1/24-25 Rev.02)

- As per QAP Sr. No. 1- Reviewed Raw Material Test Certificate as per Specification – Found in order.
- As per QAP Sr. No. 2- Reviewed Heat Treatment Record as per specification – Found in order.
- As per QAP Sr. No. 3- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 4- Reviewed Chemical Test report as per specification. – Found in order.
- As per QAP Sr. No. 5 to 8- Witnessed Physical Test (Flaring, Flattening, Hardness & Tensile Test) as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 9- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
- As per QAP Sr. No. 10- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
- As per QAP Sr. No. 11- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.
- As per QAP Sr. No. 12- Witnessed dimensional inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
- As per QAP Sr. No. 13- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.
- As per QAP Sr. No. 14- Reviewed manufacturer's final test certificate of offered tubes - Found in order.

SA 334 GR.1 (QAP - RMTL/C-4923-3/24-25 Rev.02)

- As per QAP Sr. No. 1- Reviewed Raw Material Test Certificate as per Specification – Found in order.
- As per QAP Sr. No. 2- Reviewed Annealed Treatment Record as per specification – Found in order.
- As per QAP Sr. No. 3- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 4- Reviewed Chemical Test report as per specification. – Found in order.
- As per QAP Sr. No. 5- Reviewed Grain size report as per specification. – Found in order.
- As per QAP Sr. No. 6 to 8- Witnessed Physical Test (Flaring, Flattening & Tensile Test) as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 9- Witnessed Mercurous Nitrate Test as per specification & approved QAP. – Found Satisfactory.
- As per QAP Sr. No. 10- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
- As per QAP Sr. No. 11- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
- As per QAP Sr. No. 12- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.

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TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland Precisely Right. 20
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- As per QAP Sr. No. 12- Witnessed dimensional & Go-No Go Ring Gauge inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
- As per QAP Sr. No. 13- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.
- As per QAP Sr. No. 14- Reviewed manufacturer's final test certificate of offered tubes - Found in order.

Standards and Documentation:

SR No	DOCUMENT TITLE	DOC. No.	DOC. REV.	App. Status/code	Approved By
1	QAP	RMTL/C-4923-1/24-25	2	Approved	Client
2	QAP	RMTL/C-4923-3/24-25	2	Approved	Client

Witnessed Tests:

- Witnessed Sampling for Chemical & Mechanical Test as per specification & approved QAP. – Found Satisfactory.
- Witnessed Physical Test (Flaring, Flattening, Hardness & Tensile Test) as per specification & approved QAP. – Found Satisfactory.
- Witnessed Mercurous Nitrate (as applicable) Test as per specification & approved QAP. – Found Satisfactory.
- Eddy Current Test Witnessed on 10% randomly selected Quantity as per approved QAP – Found Satisfactory.
- Hydrostatic Test Witnessed on 10% randomly selected Quantity at required pressure as per approved QAP –No Leakage / No Pressure drop observed during 10 seconds holding time.
- Visual inspection carried out for 10% Quantity as per approved QAP - Found free of injurious defects.
- Witnessed dimensional & Go-No Go Ring Gauge inspection for 10% randomly selected Quantity as per approved QAP– Dimensions found within limit.
- Verified Marking on Tubes for 10% randomly selected Quantity as per approved QAP– Found Satisfactory.

Used Test Equipment:

Equipment name	Type /Model	Identification No./Calibration No.	Valid range/Accuracy	Calibration valid to
Pressure Gauge	Shreeji	PG-201	0-210 KG/CM2	03.07.2025
Pressure Gauge	Shreeji	PG-202	0-210 KG/CM2	03.07.2025
Pressure Gauge	Shreeji	PG-145	0-210 KG/CM2	15.01.2025
OD Micrometer	Mitutoyo	S/N-26052025	0 to 25 MM	29.07.2025
THK Micrometer	Mitutoyo	06086600	0 to 25 MM	29.07.2025
Measuring Tape	FREEMANS	M-Tape-A-01	0 to 15 M	02.01.2026
Vernier Caliper	Mitutoyo	S/N-18078646	0 to 300 MM	02.01.2026
UTM Machine	FIE	02/ 2005-3182	400 KN	10.05.2025
Hardness Tester	Saroj	05/ 03/ 134	0-100 HRBW/HRC	10.05.2025
ECT Machine	Technofour	FTS-EC-121-19	--	01.08.2025

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TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
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INSPECTION ACTIVITIES

Activity/ITP/ QCP No.	Description of Activity with Inputs and Outputs	Results
<u>SA 179 (QAP - RMTL/C-4923-1/24-25 Rev.02)</u>		
1	Reviewed Mother tube Test Certificate	Satisfactory
2	Reviewed Heat Treatment Record	Satisfactory
3	Witnessed Sampling for Chemical & Mechanical Test	Satisfactory
4	Reviewed Product Analysis	Satisfactory
5 to 8	Witnessed Flaring, Flattening, Hardness & Tensile Test	Satisfactory
9	Witnessed Eddy Current Test	Satisfactory
10	Witnessed Hydro Test	Satisfactory
11	Witnessed Visual Inspection	Satisfactory
12	Witnessed Dimensional Inspection	Satisfactory
13	Verified Marking Inspection	Satisfactory
14	Reviewed Test Certificate	Satisfactory
<u>SA 334 GR.1 (QAP - RMTL/C-4923-3/24-25 Rev.02)</u>		
1	Reviewed Mother tube Test Certificate	Satisfactory
2	Reviewed Annealed Treatment Record	Satisfactory
3	Witnessed Sampling for Chemical & Mechanical Test	Satisfactory
4	Reviewed Product Analysis	Satisfactory
5	Grain Size	Satisfactory
6 to 8	Witnessed Flaring, Flattening & Tensile Test	Satisfactory
9	Mercurous Nitrate Test	Satisfactory
10	Witnessed Eddy Current Test	Satisfactory
11	Witnessed Hydro Test	Satisfactory
12	Witnessed Visual, Dimensional & Go-No Go Ring Gauge Inspection	Satisfactory
13	Verified Marking Inspection	Satisfactory
14	Reviewed Test Certificate	Satisfactory

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TÜV Rheinland India Pvt Ltd	VENDOR INSPECTION REPORT	 TÜVRheinland® Precisely Right.
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Details:

Observation: Nil.
Pending Activity: Nil.

Documentation Control:

Document name	Version	Approved by client
RMTL/C-4923-1/24-25, RMTL/C-4923-3/24-25	--	Yes

Non-Conformities:

Report No.	Description	Date Raised	Status
-	-	-	-

☐ A punch list is available. Any punch list should be provided by the manufacturer but signed by the inspector and manufacturer's representative.

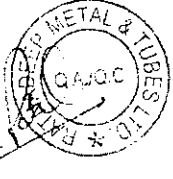
☐ Manufacturer informed about nonconformities by inspector

Issued by:  ☐ Witnessed ☒ Reviewed Date: _____ Mehul Patel Name Signature	Reviewed by:  ☒ Witnessed ☒ Reviewed Date: _____ SOURN MANNA Name Signature
--	---

Disclaimer:

This report reflects our findings during inspection in time and place according to the agreed scope of our performance or deliverables and does not release buyer and/or seller from their contractual responsibilities. This report does not construe any guarantee or warranty that the purchase contract between buyer and seller is fulfilled correctly and all performances have been delivered without any defect. Furthermore, the report and its results does not affect any potential buyer's right to claim for compensation or remedy towards the seller/supplier of apparent or hidden defects not detected during our inspection or occurred afterwards.

Manufacturer Sign:



PICTURES: Photography prohibited.

---END REPORT---

Annex 7 of MS-0049461; Rev-0

TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City , Phase 1 Bangalore – 560 100,
Karnataka,Tel : +91- 80- 46498000,Fax: +91 - 80- 46498042, Email id: -
VendorInspections.India@ind.tuv.com