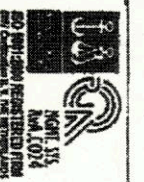


ORIGINAL



# LLOYDS LINE PIPES LIMITED

(100% SUBSIDIARY OF APL APOLLO TUBES LIMITED)



NO. 315  
MAY 10 2015  
REGD. OFFICE DELHI

95411-2011-CPD-IND

Manufactures of:  
ERW GALVANIZED & BLACK STEEL TUBES & PIPES & HOLLOW SECTIONS

Regd. Office : 37, Hareghind Enclave, Vikas Marg, Delhi-110092 (INDIA)  
Tel : 0091-11-2273437 (6 Lines) E-mail : [apllapoll@apllapollo.com](mailto:apllapoll@apllapollo.com)  
MILL TEST REPORT AS SPECIFIED IN EN 10204/3.1

Total Certificate No. LLP/PL/OC/139-2015  
Date : 06/12/2015

QA-F-15E

DESCRIPTION OF GOODS LOT 1 & LOT 3: PRIME WELDED STEEL TUBES OUT OF NEW PRODUCTION AND IN FULL COMPLIANCE WITH EN 10255 (LATEST VERSION) AND EN 10240/A.1 (LATEST VERSION), OTHERWISE AS PER CONTRACT NO. 1166/15 DATED NOVEMBER 6, 2015.

We Certify that the Tubes fully comply with the requirements of the latest Governing standards EN 10255 AND EN 10240. This certificate is issued in accordance with 3.1 of EN - 10204.  
Intended use- Steel tubes for use in installations for the distribution of aqueous liquids, gas and fuel.

## TEST RESULTS

Order No. & Date	Size & class/Type	Heat No	Quantity (Pcs.)	CHEMISTRY							MECHANICAL PROPERTIES				GALVANIZING		Batch No
				C %	Min %	P %	S %	SI %	Al %	Upper Yield Strength	Tensile Strength	% Elongation	Flattening/Bend Test	Leak Tightness	Coating Thickness (µm)	Adhesion Test	
DOCUMENTARY CREDIT NUMBER: LI15B00517 DT. 151113																	
	STANDARD VALUE			Max. 0.20	Max. 1.40	Max. 0.035	Max. 0.030	-	-	Min. 195	Min. 320 to 520	Min. 20%					
	21.3 X 2.60 MM	15303111	651	0.049	0.108	0.007	0.003	0.012	0.043	335	430	32	PASS	PASS	60	PASS	1151028B
	26.9 X 2.60 MM	KC9073	762	0.050	0.190	0.010	0.003	0.010	0.046	335	402	38	PASS	PASS	62	PASS	3151027B
	33.7 X 3.20 MM	15101373	364	0.044	0.102	0.008	0.006	0.011	0.041	300	408	32	PASS	PASS	61	PASS	2151106A
	42.4 X 3.20 MM	15402038	1464	0.038	0.104	0.009	0.007	0.016	0.048	310	425	30	PASS	PASS	62	PASS	2151109A
	48.3 X 3.20 MM	15102074	915	0.032	0.108	0.010	0.007	0.009	0.042	300	396	32	PASS	PASS	61	PASS	3151109A
	48.3 X 3.20 MM	15102074	427	0.032	0.108	0.010	0.007	0.009	0.042	300	396	32	PASS	PASS	60	PASS	3151109A
	60.3 X 3.60 MM	15402393	2960	0.055	0.102	0.014	0.006	0.015	0.044	335	397	38	PASS	PASS	61	PASS	1151105B
	76.1 X 3.60 MM	15202039	888	0.041	0.112	0.011	0.006	0.017	0.042	375	425	33	PASS	PASS	60	PASS	5151107B
	88.9 X 4.00 MM	15132385	209	0.063	0.390	0.015	0.012	0.015	0.044	315	380	34	PASS	PASS	62	PASS	5151120A
	60.3 X 4.50 MM	15400414	185	0.040	0.116	0.008	0.004	0.011	0.046	320	410	35	PASS	PASS	60	PASS	1151122A

1. Reaction to fire : Euro class A1  
2. Minimum specified yield strength : 195 MPa (CL 8.2 and Table 1)  
3. Durability : Galvanized Min. - 55 u m (CL 7.41)  
4. Dimensions : Pass  
5. Water Pressure Tested at Min. 50 BAR : Pass (CL 9.6)

TYPE OR SERIES: LOT 1: MEDIUM PLAIN ENDS LOT 3: HEAVY  
MARKING LOT 1: STENCILED IN BLUE COLOR AT LEAST ONCE WITHIN 1 METER OF ONE END OF EACH TUBE IN A DURABLE AND READABLE MANNER: MANUFACTURER'S NAME OR TRADE MARK - SIZE N - EN 10255/10240/A.1 - W - P - 1168 - (4 DIGIT APL BATCH NO.) - CE  
MARKING LOT 3: STENCILED IN BLUE COLOR AT LEAST ONCE WITHIN 1 METER OF ONE END OF EACH TUBE IN A DURABLE AND READABLE MANNER: MANUFACTURER'S NAME OR TRADE MARK - SIZE N - EN 10255/10240/A.1 - W - P - 1168 (4 DIGIT APL BATCH NO.) - CE  
SURFACE APPEARANCE: GALVANIZED

FOR LLOYDS LINE PIPES LIMITED  
AUTHORISED SIGNATORY

Innovation no. 1: 01/27/2015/14/11/5:14/PL/TP/36:31/2015