

# ZENITH STEEL PIPES & INDUSTRIES LIMITED

Registered Office : 5th Floor, Industry House, 159, Churchgate, Reclamation, Mumbai-400 020.  
 Works: G-38/39, M.I.D.C. Area Tarapur, Boisar, Dist-Palghar, Maharashtra, India, Pin Code - 401506.

## MILL TEST CERTIFICATE

Test Certificate No. : 22145/3 Date : 13.01.2023  
 Customer :  
 Address :

Invoice No. : MC/SS/0003/2023 Date : 13.01.2023  
 P.O. No. : 1009 Date : 12.01.2023

Specification : ASTM A53

Description of material : Black Painted ERW ( HFW ) Steel pipes.

We certify that the material described below fully conforms to ASTM A53. ( Pl. refer ASTM A53 for detail specification requirement )

Item no.	Heat / Lot no.	Grade	Size (Inch)	Thick. (mm)	Length (feet.)	Type	Bundles (Nos.)	Pcs. (Nos.)	Total length (feet.)	Weight (MT)
1	2241	B	1.1/4"	3.56	21'	Both Plain End PTD (Square Cut)	5	210	4410	4.550
	2248									
2	2242	B	1.1/2"	3.68	21'	Both Plain End PTD (Square Cut)	7	252	5292	6.510
3	2234	B	2"	3.91	21'	Both Plain end PTD (Bevel End)	7	182	3822	6.320
4	2247	B	2.1/2"	5.16	21'	Both Plain end PTD (Bevel End)	1	18	378	6.930

Item no.	Dimension & Visual	Flattening test	Bend test	NDT (Eddy Current)	Hydrostatic test (PSI)	Mass of Zinc Coating (Gms/mtr <sup>2</sup> )	Chemical Composition										Mechanical Properties			HEAT TREATMENT	
							% C	% Mn	% S	% P	% Si	% Cu	% Ni	% Cr	% Mo	% V	U.T.S. (MPa)	YSI (MPa)	% El. On 2" GL		
1	OK	NA	OK	G	1300	NA	0.048	0.360	0.007	0.010	0.015	0.003	0.022	0.013	0.001	0.001	0.001	442	372	31	OK
							0.064	0.456	0.007	0.015	0.020	0.004	0.018	0.025	0.001	0.001	0.001	465	397	31	
2	OK	NA	OK	G	1300	NA	0.040	0.427	0.005	0.011	0.022	0.005	0.027	0.015	0.001	0.001	0.001	439	378	32	OK
							0.055	0.502	0.007	0.009	0.028	0.003	0.015	0.010	0.001	0.001	0.001	438	357	32	
3	OK	NA	OK	G	2500	NA	0.051	0.459	0.004	0.017	0.029	0.003	0.025	0.018	0.001	0.001	0.001	465	390	30	OK
							0.051	0.459	0.004	0.017	0.029	0.003	0.025	0.018	0.001	0.001	0.001	465	390	30	

Note : Test Certificate issued according to EN 10204-3.1

