

INSPECTION CERTIFICATE

KUMKANG KIND CO., LTD.

HEAD OFFICE : KUMKANG KIND BLDG, 1445-2 SEOCHO-DONG,
SEOCHO-GU SEOUL, KOREA

EON YANG FACTORY : 140-25, GACHUN-RI-SAMNAM-MYIN-ULJU-GUN
ULSAN METROPOLITAN CITY, KOREA

CERTIFICATE No. : K241210-002

L/C NO.(P/O NO.) : 26.210

SUPPLIER : KUMKANG KIND CO.,LTD.

CUSTOMER :

PAGE : _____
ISSUED DATE : 10/12/2024
COMMODITY : E.R.W STEEL PIPE
SPECIFICATION : API 5L B PSL 1
ASTM A53B ASME SA53B

ITEM NO	HEAT NO.	TYPE	QUANTITY (PIECES)	ORDER SIZE				WEIGHT (lb/ft) P.E	YIELD/TENSILE TEST ⑤			CHEMICAL COMPOSITION(%)												
				Nominal Pipe Size (NPS)	O.D (in)	WALLT (in)	LENGTH (ft)		Y.P (Min. 35,500 psi)	T.S (Min. 60,200 psi)	E.L (Min. 25%)	③												
												C 0.28	Si	Mn 1.2	P 0.03	S 0.03	V	Nb	Ti	Cu	Ni	Cr	Mo	
1	SB13882	ERW BLACK BEVELED END PIPE	684	① 2 1/2	2.875	② 0.203	21	5.80	60,191	68,168	30	H	171	7	437	10	5	TR	TR	1	22	13	35	2
												P	169	6	436	9	3	TR	TR	1	20	11	34	1
												P	170	6	436	9	4	TR	TR	1	21	12	33	1

ITEM NO	Hydrostatic Test (5 Seconds, psi)		HEAT TREATMENT (°C)	NON-DESTRUCTIVE TEST	VISUAL & DIMENSION	METALLOGRAPHIC TEST	RESIDUAL MAGNETISM TEST	FLATTENING TEST		REMARKS
	Test Pressure	Result		Weld Seam U.T ⑥			Gauss	D x 50%	D x 33%	
1	3,010	GOOD	860	GOOD	GOOD	GOOD	1	GOOD	GOOD	

N O T E ① O.D : Specified Outside Diameter ② WALLT : Specified Wall Thickness ③ H : Heat Analysis / P : Product Analysis ④ CHEMICAL COMPOSITION -3:x1/1000
 ⑤ Tensile Test Piece Type/Size/Location/Orientation: round / 0.500 in / Body / longitudinal
 ⑥ UT Reference Indicator Type and Size: Drilled Hole / 0.125 in ⑦ Steelmaker: POSCO 6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do

SIGNATURE _____
SURVEYOR TO: _____
KHOPC-60 F02

WE HERE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED
IN ACCORDANCE WITH THE REQUIREMENTS OF API 5L 46TH AND PURCHASE ORDER REQUIREMENTS.
TEST CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1.

MANAGER OF U.S.A. DEPT.
M. T. Roh