CERTIFICATE NO: 20241016-03 PAGE : 1 DATE : 2024-10-16

CUSTOMER: PMS

P/O NO.(W/O NO.): PMS-24-050-01

COMMODITY : SEAMLESS COLD-DRAWN CARBON STEEL TUBE FOR LOW-TEMPERATURE SERVICE

SPECIFICATION: ASME SA334 GR.6/SA1016(2023ED.)

INSPECTION CERTIFICATE
According to EN10204 3.1

YCP CO.,LTD
1519-2, DADAE-DONG, SAHA-GU, BUSAN, KOREA
TEL : (051)264-9300 FAX : (051)264-9200

NO	LOT NO	I . D	O . D	W .T	LENGTH(M)	Q'TY(PCS)	T.LENGTH(mm)	WEIGHT(kg)	REMARK	NOTE
1	YC241010-01	--	19.05	1.650 (AVG)	5.569	388	2,160,772	1,529.8	FINAL TEMP. 900℃	G: GOOD ※1 : CHEMICAL COMPOSITION 2 : * 100 3 : * 1000 ※ 2 : T.S : TENSILE STRENGTH (Mpa) Y.P : YIELD POINT STRENGTH (Mpa) ※ 3 : E.L : ELONGATION (%)

NO	LOT NO		CHEMICAL COMPOSITION					TENSILE TEST			HEAT NO	VISUAL & DIMENSION	FLATTENING TEST	STRAIGHTNESS	FLARING TEST	IMPACT TEST TEMP	EDDY CURRENT	HYDRO STATIC	HARDNESS HrB
			C	Si	Mn	P	S	T.S (※2)	Y.P (※2)	EL (※3)									
		MAX	30	--	106	25	25	MIN	MIN	MIN									
		MIN	--	10	29	--	--	415	240	30									
		※1	2			3													
1	YC241010-01	H	16	29	123	15	8	512.3	349.8	37.0	B1-2313351	G	G	G	G	-	G	-	68.3
		P	16	30	122	14	9	508.9	348.7	38.0						-			69.0

•NOTE:SA334-1 and SA334-6:For each reduction of 0.01% below the specified carbon maximum, an increase of 0.05% manganese above the specified maximum will be permitted up to a maximum of 1.35%.

PMS Q.A WITNESSED BY REVIEWED BY

WE HEREBY CERTIFY THAT THE MATERIALS HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND THE RESULT OF ALL TEST ARE ACCEPTABLE

MANAGER OF Q.A DEPT
H. S. KIM