

# 검사 증명서 MILL TEST CERTIFICATE

**동부제철** 냉연공장  
**DONGBU STEEL CO., LTD.**  
\* HEAD OFFICE: LG Seoul yeok Building, 98, Hwang-ro, Jung-gu, Seoul, Korea, 04637  
TEL: (080) 5600-114  
E-MAIL: dbsteel@csedongbu.com  
\* Dangjin Works/Cold Rolling Mill : 1228, Bukbuseoneop-ro, Songak-eup, Dangjin-si, Chungcheongnam-do, KOREA  
TEL: (041) 351-8313

증명서 번호 : 82026514  
CERTIFICATE NO :  
발급일 : FEB. 27. 2018  
DATE OF ISSUE :  
계약번호 : EE1802032  
CONTRACT NO :  
소재명 : ELECTROLYTIC ZINC-COATED STEEL SHEET IN COILS  
COMMODITY :  
작용규격 : EN10152 DC01+ZE CR2n(Cr-Free)  
SPECIFICATION : EN10204

고객 : ROBA METALS  
CUSTOMER :  
취급상사 :  
SHIPPER :  
DESTINATION : HELSINKI

주문처수 ORDER SIZE	제품번호 PRODUCT NO		수량 QUANTITY		제품치수 DIMENSION(mm)			인장시험 TENSILE TEST			강도 HARDNESS (HRB)	도르 BEND TEST	베나 IMPACT TEST	BEN DICT TEST	CHEMICAL COMPOSITION	비고 REMARKS									
	검사번호 INSPECTION NO	CHARGE NO	매수 SHEET	COIL LENGTH (m, ft)	중량 KGS	LBS	두께 THICK- NESS	너비 WIDTH	길이 LENGTH	항복 강도 Y.P							인장 강도 T.S	연신 율 EL.	연신 율 EL.	항복 강도 T.S	인장 강도 T.S	연신 율 EL.			
01 ZE25/ZE5	1 HACH3AA	HPZ177130	2,239	8,700	19,180	0.500	1000.0	001L	175.5	311.9	42.5	42	G	G	X	U	12.8 / 13.7	17	12	8	2	19	22	TR	
== SIZE TOTAL ==	2 HACH3AB	HPZ177130	2,246	8,730	19,286	0.500	1000.0	001L	175.5	311.9	42.5	42	G	G	X	U	12.8 / 13.7	17	12	8	2	19	22	TR	
02 ZE25/ZE5	1 HAC3AA	B1H90013	2,024	9,480	20,900	0.600	1000.0	001L	237.3	326.6	39.2	48	G	G	X	U	13.2 / 13.4	18	13	8	1	13	50		
== SIZE TOTAL ==	2 HAC3AB	B1H90013	2,054	9,630	21,230	0.600	1000.0	001L	237.3	326.6	39.2	48	G	G	X	U	13.2 / 13.4	18	13	8	1	13	50		
03 ZE25/ZE5	1 HAC7AA	B1H90006	1,909	10,450	23,038	0.700	1000.0	001L	241.2	327.5	40.6	49	G	G	X	U	13.2 / 14.0	15	11	6	1	13	48		
== SIZE TOTAL ==	2 HAC7AB	B1H90006	1,900	10,570	23,303	0.700	1000.0	001L	241.2	327.5	40.6	49	G	G	X	U	13.2 / 14.0	16	11	6	1	13	46		
04 ZE25/ZE5	1 HAC8AA	B1H99001	1,619	10,680	23,545	0.750	1000.0	001L	233.4	325.6	36.4	49	G	G	X	U	12.8 / 13.8	13	13	4		12	46		

JMS

CHIEF OF QUALITY ASSURANCE TEAM  
원본 - ORIGINAL

상기 제품은 규정의 시험을 행하여 합격하였음을 증명합니다.  
WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED  
HEREIN HAS BEEN SATISFACTORILY TESTED IN  
ACCORDANCE WITH THE SPECIFICATION.  
Material is RoHS compliant.

출력일시 : 2018.02.27 12:39 / 출력횟수 : 1 회  
MADE IN KOREA

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CERTIFICATE NO  
발급년월일 : FEB. 27. 2018  
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계약번호 : EE1B02032  
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적용규격 : EN10152 DCO+ZE CR2P(Cr-Free)  
SPECIFICATION EN10204

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DESTINATION : HELSINKI

주문번호 ORDER SIZE	제품번호 PRODUCT NO		수량 QUANTITY		제품치수 DIMENSION(mm)		인장시험 TENSILE TEST			경도 HARDNESS (HRB)	도 THICKNESS	IMPACT TEST	BENDET TEST	CHEMICAL ANALY	BEAD TEST	COATING WEIGHT (g/m <sup>2</sup> )	화학성분 CHEMICAL COMPOSITION(%)						비고 REMARKS	
	검사번호 INSPECTION NO	CHARGE NO	매수 SHEET	COIL LENGTH (m, ft)	두께 THICKNESS	나비 WIDTH	길이 LENGTH	항복 점 Y.P	인장 강도 T.S								연신 율 EL.	r	C	P	S	Si		Mn
04 ZE25/ZE5	2	HACC8AB	81H99001	10,600	0.750	1000.0	COIL	23.4	325.6	36.4	49	1.00	G	P	X	U	12.8 / 13.8	13	13	4	12	46		
== SIZE TOTAL ==	2			21,400																				
05 ZE25/ZE5	1	HAJF3AA	CNP03690	10,300	0.750	1250.0	COIL	20.9	329.5	42.7	44	0.81	G	P	X	U	14.2 / 14.2	19	9	7	3	19	39	
== SIZE TOTAL ==	2	HAJF3AB	CNP03690	10,420	0.750	1250.0	COIL	20.9	329.5	42.7	44	0.81	G	P	X	U	14.2 / 14.2	19	9	7	3	19	39	
06 ZE25/ZE5	1	HACC6AA	7YH90379	10,510	1.000	1000.0	COIL	20.9	317.7	40.8	46	1.11	G	P	X	U	13.3 / 13.9	16	11	6	1	13	48	
== SIZE TOTAL ==	2	HACC6AB	7YH90379	10,660	1.000	1000.0	COIL	20.9	317.7	40.8	46	1.11	G	P	X	U	13.3 / 13.9	16	11	6	1	13	48	
1.00MM X 1000.0MM X C	3	HACC5AA	HPZ177100	8,530	1.000	1000.0	COIL	15.2	315.8	40.8	46	0.96	G	P	X	U	14.1 / 13.6	17	12	8	2	19	22	TR
== SIZE TOTAL ==	4	HACC5AB	HPZ177100	8,610	1.000	1000.0	COIL	15.2	315.8	40.8	46	0.96	G	P	X	U	14.1 / 13.6	17	12	8	2	19	22	TR
07 ZE25/ZE5				38,310																				

JMS

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원본 - ORIGINAL

\* OIL TREATMENT  
U : UNOILED (DRY)  
H : HEAVY OILED  
N : NORMAL OILED  
L : LIGHTLY OILED  
S : SLIGHTLY OILED  
B : BIG HEAVY OILED

\* CHEMICAL QUANTITY  
X : No  
H : HEAVY  
N : NORMAL  
L : LIGHT

\* OIL TREATMENT  
A : APP  
D : Phosphate + AP  
P : Phosphate  
S : Lubricant  
X : No

\* G : 0000

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