

제508호(1/3)

국제공인시험기관인정서

기 관 명 : 현대제철(주) 포항공장

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법 인 등 록 번 호 : 120111 - 0001743

사업자등록번호 : 121-81-10385

법 인 주 소 : 인천광역시 동구 송현동 1번지

사 업 장 소 제 지 : 경북 포항시 남구 송내동 444번지

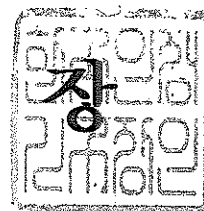
유효 기 간 : 2011년 12월 5일 ~ 2015년 12월 4일

인정분야 및 범위 : 별첨 참조

상기 시험기관을 KS Q ISO/IEC 17025:2006 인정요건 및 국가표준기본법 제23조의 규정에 의거하여 국제공인시험기관으로 인정합니다. 또한 ISO-ILAC-IAF 공동성명(2009.1.8)에 언급된 바와 같이 인정된 분야 및 범위에 대한 기술적 능력과 시험기관 품질경영시스템이 적절함을 인정합니다.

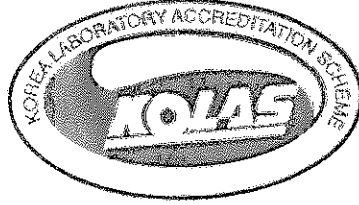
2011년 12월 5일

한 국 인 정 기 구



“이면사항기재”

1. 2011. 12. 5: 최초인정(1.001 금속 및 관련제품 10개 규격, 2.001 철강 4개 규격)

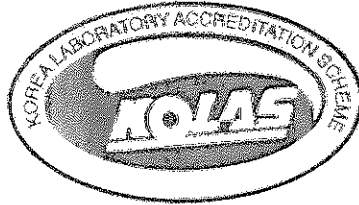


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1. 역학시험

1.001 금속 및 관련제품

규격번호	규격명	시험범위 및 검출한계
KS B 0802 :2003	금속재료 인장 시험 방법	시험하중 : (30 ~1 900) kN, 연신율 : (0~100) %, 단면수축율 : (0 ~ 90) %
JIS Z 2241 :2011	Method of Tensile Test for Metallic Materials	
ISO 6892-1 :2009	Metallic materials - Tensile testing - Part 1 : Method of test at ambient temperature	
AS 1391 :2007	Metallic materials - Tensile testing at ambient temperature	
KS B 0810 :2003	금속 재료 충격시험 방법 8. (a), (b) 항	흡수에너지 : (10 ~ 400) J
JIS Z 2242 :2005	Method for Charpy Pendulum Impact Test of Metallic Materials	
AS 1544.2 :2003	Method for impact tests on metals - part 2 Charpy V-norch	
KS B 0804 :2001	금속재료 굽힘시험 방법	심봉의 지름 : 36 ~ 459 mm
JIS Z 2248 :2006	Metallic materials - Bend test	
KS B 0805 :2000	금속 재료의 브리넬 경도 시험 방법	경도 범위 : (100 ~ 400) HBW, 시험 하중 : 29 400 N



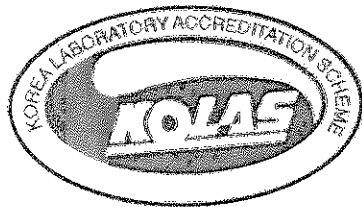
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2. 화학시험

2.001 철강

규격번호	규격명	시험범위 및 검출한계
KS D 1652 :2007	철 및 강의 스파크 방전원자 방출분광 분석방법	시험범위 (% mass fraction): C(0.015 ~ 1.40), Si(0.010 ~ 1.40), Mn(0.022 ~ 2.20), P(0.002 ~ 0.04), S(0.002 ~ 0.05), Ni(0.021 ~ 5.30), Cr(0.024 ~ 5.10), Mo(0.004 ~ 1.30), Cu(0.015 ~ 0.60), V(0.004 ~ 0.18), Ti(0.006 ~ 0.30), Al(0.004 ~ 0.15), Sn(0.001 ~ 0.11), Nb(0.005 ~ 0.20)
JIS G 1253 :2002	Iron and steel - Method for spark discharge atomic emission spectrometric analysis	
AS 2883 :2000	Analysis of metals - Procedures for the setting up, calibration and standardization of atomic emission spectrometers using arc/spark discharge	
AS 3641.1 :1999	Recommended practice for atomic emission spectrometric analysis - Part 1 : Principles and techniques	

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CERTIFICATE OF ACCREDITATION

Name of Laboratory : Hyundai Steel Pohang Laboratory

Representative : Park Seung Ha

Address of Headquarters : 1 Songhyun-dong, Dong-gu, Incheon

Address of Laboratory : 444 Songnae-dong, Nam-gu, Pohang, Gyeongsangbuk-do

Duration : December 5, 2011 ~ December 4, 2015

Scope of Accreditation

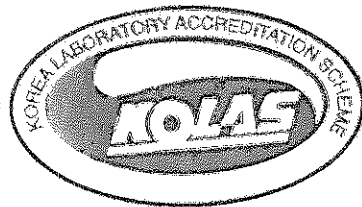
(Scope of Accreditation is described in the accompanying Annex)

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January 2009).

Dec. 5, 2011

Administrator,

Korea Laboratory Accreditation Scheme(KOLAS)

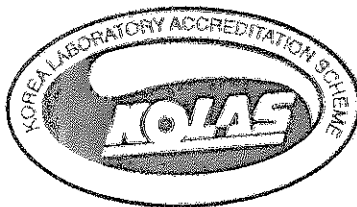


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1. Mechanical Test

1.001 Metal and Related Products

Test method	Standard designation	Test range or Limits of detection
KS B 0802 :2003	Method of Tensile Test for Metallic Materials	Test Load : (30 ~ 1 900) kN, Elongation : (0 ~ 100) %, Reduction of Area : (0 ~ 90) %
JIS Z 2241 :2011	Method of Tensile Test for Metallic Materials	
ISO 6892-1 :2009	Metallic materials - Tensile testing Part 1 : Method of test at ambient temperature	
AS 1391 :2007	Metallic materials - Tensile testing at ambient temperature	
KS B 0810 :2003	Method of impact test for metallic materials - 8. (a), (b)	Absorbed Energy : (10 ~ 400) J
JIS Z 2242 :2005	Method for Charpy Pendulum Impact Test of Metallic Materials	
AS 1544.2 :2003	Method for impact tests on metals - Part 2 Charpy V-norch	
KS B 0804 :2001	Metallic materials - Bend test	Dia of Rod : 36 ~ 459 mm
JIS Z 2248 :2006	Metallic materials - Bend test	
KS B 0805 :2000	Metallic materials - Test method of Brinell hardness	Hardness Range : (100 ~ 400) HBW, Test Load : 29 400 N



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2. Chemical Test

2.001 Iron and Steel

Test method	Standard designation	Test range or Limits of detection
KS D 1652 :2007	Iron and steel - Method for spark discharge atomic emission spectrometric analysis	(% mass fraction): C (0.015 ~ 1.40), Si (0.010 ~ 1.40), Mn (0.022 ~ 2.20), P (0.002 ~ 0.04), S (0.002 ~ 0.05), Ni (0.021 ~ 5.30), Cr (0.024 ~ 5.10), Mo (0.004 ~ 1.30), Cu (0.015 ~ 0.60), V (0.004 ~ 0.18), Ti (0.006 ~ 0.30), Al (0.004 ~ 0.15), Sn (0.001 ~ 0.11), Nb (0.005 ~ 0.20)
JIS G 1253 :2002	Iron and steel - Method for spark discharge atomic emission spectrometric analysis	
AS 2883 :2000	Analysis of metals - Procedures for the setting up, calibration and standardization of atomic emission spectrometers using arc/spark discharge	
AS 3641.1 :1999	Recommended practice for atomic emission spectrometric analysis - Part 1 : Principles and techniques	

End.