



제 415 호 (1/2)

국제공인시험기관인정서

기 관 명 : 한국에스지애스 (주)

대 표 자 : 권 이 성

법 인 등 록 번 호 : 110111-0245757

사 업 자 등 록 번 호 : 106-81-59002

법 인 주 소 : 서울특별시 용산구 갈월동 98-38 청룡빌딩 12층

사 업 장 소 재 지 : 울산광역시 울주군 온산읍 화산리 1002-2 외 1필지 (울산사무소)

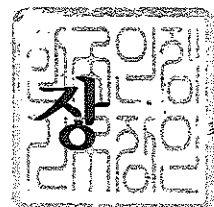
유효 기 간 : 2009년 8 월 21일 ~ 2013년 8 월 20일

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 02월 15일

한 국 인 정 기 구



“이면기재사항”

1. 2009. 08. 21 : 최초인정
2. 2011. 02. 15 : 사업자등록번호 변경(610-85-30628 → 106-81-59002)
추가인정(ASTM D 1364:2002 등 9개 규격)



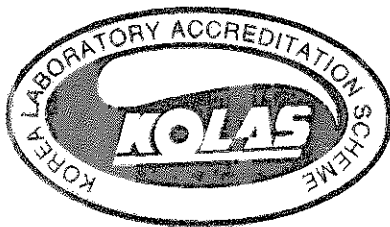
제 415 호 (2/2)

1. 화학시험

2.013 석유제품

규격번호	규격명	시험범위 또는 검출한계
ASTM D93:2010	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	40 °C ~ 360 °C
ASTM D97:2009	Standard Test Method for Pour Point of Petroleum Products	- 60 °C ~ 50 °C
ASTM D445:2009	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	0.2 mm ² /s ~ 300 000 mm ² /s
ASTM D4052:2009	Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter	600 kg/m ³ ~ 1 100 kg/m ³
ASTM D1364:2002	Standard Test Method for Water in Volatile Solvents (Karl Fischer Reagent Titration Method)	0 m/m% ~ 100 m/m%
ASTM D2386:2006	Standard Test Method for Freezing Point of Aviation Fuels	- 60 °C ~ 20 °C
ASTM D2500:2009	Standard Test Method for Cloud Point of Petroleum Products	- 60 °C ~ 49 °C
ASTM D4294:2010	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	17 mg/kg ~ 46 m/m%
ASTM D5386:2010	Standard Test Method for Color of Liquids Using Tristimulus Colorimetry	0 ~ 100
ASTM D6371:2005	Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels	- 51 °C ~ 50 °C
ASTM E1064:2008	Standard Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration	0 m/m% ~ 2.0 m/m%
IP170:2009	Determination of flash point - Abel closed cup method	- 30.0 °C ~ 70.0 °C
IP501:2005	Determination of aluminium, silicon, vanadium, nickel, iron, sodium, calcium, zinc and phosphorous in residual fuel oil by ashing, fusion and inductively coupled plasma emission spectrometry	Al (5~150 mg/kg) Si (10~250 mg/kg)

끝.



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CERTIFICATE OF ACCREDITATION

Name of Laboratory : SGS Korea Co., Ltd.

Representative : Arthur Kwon

Address of Headquarters : 12FL, Chongryong Blidg., 98-38, Galwol Dong,
Yongsan-Ku, Seoul, 140-150, Korea

Address of Laboratory : 1002-2 Hwasan-ri, Onsan-eub, Ulju-gun, 689-896, Korea

Duration : August 21, 2009 ~ August 20, 2013

Scope of Accreditation

(Scope of Accreditation is described in the accompanying Annex)

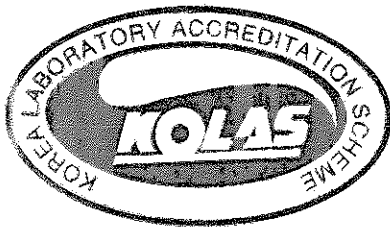
This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January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

February 15, 2011

A handwritten signature in cursive script, appearing to read "Huh. Kyung".

Administrator,

Korea Laboratory Accreditation Scheme(KOLAS)



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2. Chemical Test

2.013 Petroleum products

Test Method	Standard Designation	Test scope or Detection limit
ASTM D93:2010	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	40 °C ~ 360 °C
ASTM D97:2009	Standard Test Method for Pour Point of Petroleum Products	- 60 °C ~ 50 °C
ASTM D445:2009	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	0.2 mm ² /s ~ 300 000 mm ² /s
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End.