



No.314 (1/5)

CERTIFICATE OF ACCREDITATION

Name of Laboratory : ATL

Representative : IL SEOP, SOH

Address of Headquarters : A-603, Digital Empire, 980-3, Yeongtong-dong,
Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Address of Laboratory : A-603, Digital Empire, 980-3, Yeongtong-dong,
Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Duration : March 14, 2007 ~ March 13, 2011

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 26, 2010

Administrator,

Korea Laboratory Accreditation Scheme(KOLAS)



No.314 (2/5)

1. Mechanical Test

1.013 Physical Test

Test Method	Standard Designation
ISO 9227 : 2006	Corrosion tests in artificial atmospheres -Salt spray tests
ASTM B117 - 2009	Standard Practice for Operating Salt Spray (Fog) Apparatus
KS D 9502 : 2007	METHODS OF NEUTRAL SALT SPRAY TESTING (NEUTRAL SALT, ACETIC ACID AND CASS TEST)
JIS Z 2371 : 2000	Methods of salt spray testing



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2. Chemical Test

2.002 Nonferrous

Test Method	Standard Designation
KS D 1678 : 2007	Methods for inductively coupled plasma emission spectrometric analysis of aluminum and aluminum alloys
KS D 1756 : 2004	Methods for Determination of Lead in Zinc Metal
KS D 1757 : 2004	Methods for Determination of Cadmium in Zinc Metal
KS D 1928 : 2008	Detection of Hexavalent Chromium on Zinc and Zinc/Aluminum alloy coated Steel
KS D 1662 : 2005	Glass - Determination of hexavalent chromium in coating
ASTM E 1277 - 2008	Standard Test Method for Chemical Analysis of Zinc-5% Aluminum-Mischmetal Alloys by ICP Emission Spectrometry

2.008 Other Material and Products

Test Method	Standard Designation
KS M 3211 : 2005	Plastics-Determination of lead
KS R 1301 : 2006	Method for Determination of Lead and Cadmium in Rubber for Automobiles



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2.025 Door and Other Environment

Test Method	Standard Designation
IEC 62321 Ed.1 : 2008	Electrotechnical products – Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)
KS M 0180 : 2009	Standard Test Method for halogen(F, Cl, Br) and sulfur content by Oxidative Pyrohydrolytic Combustion followed by Ion Chromatography Detection (Combustion Ion Chromatography-CIC)
EN 1811 : 1998/A1:2008	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
KS M 1991 : 2008	Determination of phthalates content in plastic materials
EPA 6010C : 2007	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY
EPA 3060A : 1996	ALKALINE DIGESTION FOR HEXAVALENT CHROMIUM
EPA 3052 : 1996	MICROWAVE ASSISTED ACID DIGESTION OF SILICEOUS AND ORGANICALLY BASED MATRICES
EPA 7196A : 1992	CHROMIUM, HEXAVALENT (COLORIMETRIC)



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2.034 Infant Supplies

Test Method	Standard Designation
ASTM F 963-2008 Sec4.3.5 & 8.3	Standard Consumer Safety Specification for Toy Safety 4.3.5 Paint and Similar Surface-Coating Materials 8.3 Method to Dissolve Soluble Matter
EN 71-3 : 1994/A1:2000	Safety of toys-Part 3: Migration of certain elements
US CPSC-CH-C1001-09.1	Standard Operating Procedure for Determination of Phthalates
ASTM E 1613 - 2004	Standard Test Method for Determination of Lead by ICP-AES, FAAS, or GFAAS Techniques
ASTM E 1645 - 2007	Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis
AOAC Official Method 974.02	Lead in Paint - Atomic Absorption Spectrophotometric Method

End.