

# CERTIFICATE OF ACCREDITATION

## SEL Incorporated Association

Accreditation No. : KT678

Corporation Registration No. : 135821-0009191

Address of (Branch site)#1007, Dongtan BIZ Tower, 63-12,  
Laboratory : Dongtancheomdansaneop 1-ro, Hwaseong-si, Gyeonggi-do,  
Republic of KOREA

Date of Initial Accreditation : November 25, 2015

Validity of Accreditation : November 25, 2023 ~ November 24, 2027

Scope of Accreditation : Attached Annex

Date of issue : October 19, 2023

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to Joint ISO-ILAC-IAF Communiqué).



*CHIN CHONGWOOK*

**Head**

**Korea Laboratory Accreditation Scheme**

# Korea Laboratory Accreditation Scheme

No. KT678

## 02. Chemical Testing

### 02.025 Indoor and other environments

Test method	Materials/ Products	Standard designation	Test range	Site	Field testing
IEC 62321-4:2013/AMD1:2017	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	Hg : > 5 mg/kg	BS	N
IEC 62321-5:2013	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	- Polymer, electrical products Pb : > 5 mg/kg, Cd : > 2 mg/kg, Cr : > 5 mg/kg  - Metal Pb : > 5 mg/kg, Cd : > 2 mg/kg	BS	N
IEC 62321-6:2015	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	PBBs, PBDEs : each > 20 mg/kg	BS	N
IEC 62321-7-1:2015	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method	< 0.10 µg/cm <sup>2</sup> : negative, (0.10 ~ 0.13) µg/cm <sup>2</sup> : inconclusive, > 0.13 µg/cm <sup>2</sup> : positive	BS	N

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Test method	Materials/ Products	Standard designation	Test range	Site	Field testing
IEC 62321-7-2:2017	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method	Cr(VI) : > 8 mg/kg	BS	N
IEC 62321-8:2017	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)	DIBP, DBP, BBP, DEHP, DNOP, DIDP : each > 50 mg/kg	BS	N
KS C IEC 62321-4:2014	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	Hg : > 5 mg/kg	BS	N
KS C IEC 62321-5:2014	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	Polymer, electrical products (Pb : > 5 mg/kg, Cd : > 2 mg/kg; Cr : > 5 mg/kg) Metal (Pb : > 5 mg/kg, Cd : > 2 mg/kg)	BS	N
KS C IEC 62321-6:2015	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	PBBs, PBDEs : each > 20 mg/kg	BS	N

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Test method	Materials/ Products	Standard designation	Test range	Site	Field testing
KS C IEC 62321-7-1:2015	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method	< 0.10 µg/cm <sup>2</sup> : negative, (0.10 ~ 0.13) µg/cm <sup>2</sup> : inconclusive, > 0.13 µg/cm <sup>2</sup> : positive	BS	N
KS C IEC 62321-7-2:2017	Electrotechnical Products	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method	Cr(VI) : > 8 mg/kg	BS	N

End.