

No. 329 (1/3)

## CERTIFICATE OF ACCREDITATION

Name of Laboratory : DAELIM Industrial Co., LTD. R&D Center

Representative : Kim, Yun

Address of Headquarters : 217-3, Shinsung-dong Yusung-gu, Taejon 305-345,  
Korea

Address of Laboratory : 146-12, Susong-Dong, Jongno-Gu, Seoul, Korea

Duration : March 20, 2012 ~ March 19, 2016

Scope of Accreditation

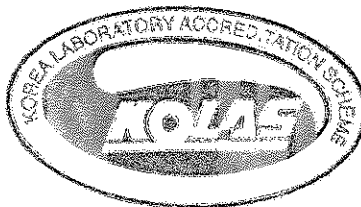
(Scope of Accreditation is described in the accompanying Annex)

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2006. 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 dated 8 January 2009).

March 20, 2012

**Administrator,**

**Korea Laboratory Accreditation Scheme(KOLAS)**

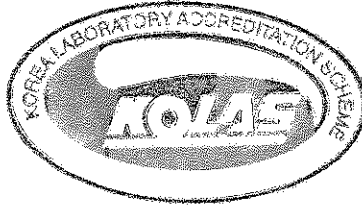


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## 2. Chemical Test

### 2.025 Door and Other Environment

Test method	Standard designation	Test range or Detection limit
KS I ISO 16000-3 : 2008	Indoor air – Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air – Active sampling method	1 $\mu\text{g}/\text{m}^3$ - 1 $\text{mg}/\text{m}^3$
KS I ISO 16000-6 : 2004	Indoor air – Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID	1 $\mu\text{g}/\text{m}^3$ - 10 $\text{mg}/\text{m}^3$
Korea Standard Method of Examination for Indoor Air Quality (Ministry of Environment Notification, 2010-24)	Standard of Indoor Air Quality Official Test Methods	
	– ES 02130 indoor air sampling and evaluation method	
	– ES 02601.1 determination of formaldehyde in indoor and emitted from building materials by 2,4-DNPH cartridge and high performance liquid chromatograph	1 $\mu\text{g}/\text{m}^3$ - 1 $\text{mg}/\text{m}^3$
	– ES 02602.1 determination of volatile organic compounds in indoor and emitted from building materials by sorbent tube and gas chromatograph using MS/FID	1 $\mu\text{g}/\text{m}^3$ - 10 $\text{mg}/\text{m}^3$



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## **6. Sound and Vibration Test**

### **6.001 Sound Property**

<b>Test method</b>	<b>Standard designation</b>	<b>Test range or Detection limit</b>
KS F 2864 : 2002	Measurment of the reverberation time of rooms with reference to the other acoustical parameters	0.1 s
KS F 2809 : 2011	Field measurements of airborne sound insulation of buildings	0.1 dB
KS F 2862 : 2002	Rating of airborne sound insulation in buildings and of building elements	1 dB
KS F 2810-1 : 2001	Field measurements of impact sound insulation of floors—Part 1 : Method using standard light impact source	0.1 dB
KS F 2810-2 : 2001	Field measurements of impact sound insulation of floors—Part 2 : Method using standard heavy impact sources	0.1 dB
KS F 2863-1 : 2002	Rating of floor impact sound insulation for impact source in buildings and of building elements - Part 1: Floor impact sound insulation against standard light impact source	1 dB
KS F 2863-2 : 2007	Rating of floor impact sound insulation for impact source in buildings and of building elements - Part 2: Floor impact sound insulation against standard heavy impact source	1 dB

End.