

Produkte  
Products



|   |               |  |                                   |                                       |                     |
|---|---------------|--|-----------------------------------|---------------------------------------|---------------------|
| <b>Prüfbericht - Nr.: 13014691 001</b>  |               |  | Seite 1 von 7<br>Page 1 of 7      |                                       |                     |
| Test Report No.:  |               |  |                                   |                                       |                     |
| <b>Auftraggeber:</b>  |               | LION CHEMTECH CO., LTD.  |                                   |                                       |                     |
| Client:   |               | 41-5, Moonpyong-dong, Daeduk-ku, Daejeon, 306-220, Rep. of Korea.                          |                                   |                                       |                     |
| <b>Gegenstand der Prüfung:</b> Acryl Solid Surface  |               |  |                                   |                                       |                     |
| Test item:  |               |  |                                   |                                       |                     |
| <b>Bezeichnung:</b>   |               | A-104 (Pure White)   |                                   | <b>Serien-Nr.:</b> n.a. (prototype)   |                     |
| Identification:   |               |  |                                   | Serial No.:                           |                     |
| <b>Wareneingangs-Nr.:</b>   |               | 133035418  |                                   | <b>Eingangsdatum:</b> 20.11.2013      |                     |
| Receipt No.:  |               |  |                                   | Date of receipt:                      |                     |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b>  |               |  | Appearance is good.               |                                       |                     |
| Condition of test item at delivery:   |               |  |                                   |                                       |                     |
| <b>Prüfört:</b>   |               | CENTRUM STAVEBNIHO INZENYRSTVI a. s. (Notified Body No. 1390)                              |                                   |                                       |                     |
| Testing location:   |               |  |                                   |                                       |                     |
| <b>Prüfgrundlage:</b>   |               | EN 13501-1+A1 : 2010   |                                   |                                       |                     |
| Test specification:   |               |  |                                   |                                       |                     |
| <b>Prüfergebnis:</b>  |               | <b>Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).</b>                      |                                   |                                       |                     |
| Test Result:  |               | The test item passed the test specification(s).  |                                   |                                       |                     |
| <b>Prüflaboratorium:</b>  |               | TÜV Rheinland Korea Ltd.   |                                   |                                       |                     |
| Testing Laboratory:   |               | E&C Venture Dream Tower 6<br>197-28, Guro-dong, Guro-gu, Seoul, 152-719, Republic of Korea |                                   |                                       |                     |
| <b>geprüft/ tested by:</b>  |               |  | <b>kontrolliert/ reviewed by:</b> |                                       |                     |
|   |               |  |                                   |                                       |                     |
| 27.01.2014  |               | S.Y. Lee / PE  | 28.01.2014                        |                                       | S.H. Yang / Manager |
| Datum   | Name/Stellung | Unterschrift   | Datum                             | Name/Stellung                         | Unterschrift        |
| Date  | Name/Position | Signature  | Date                              | Name/Position                         | Signature           |
| <b>Sonstiges/ Other Aspects:</b> Report has been prepared based on the CSI report nr. PK-14-005, 16999-1,2,3  |               |  |                                   |                                       |                     |
| <b>Abkürzungen:</b>   |               | P(ass) = entspricht Prüfgrundlage  |                                   | <b>Abbreviations:</b> P(ass) = passed |                     |
| F(ail) = entspricht nicht Prüfgrundlage   |               | N/A = nicht anwendbar  |                                   | F(ail) = failed                       |                     |
| N/T = nicht getestet  |               |  |                                   | N/A = not applicable                  |                     |
|   |               |  |                                   | N/T = not tested                      |                     |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>                              |               |  |                                   |                                       |                     |
| <i>This test report relates to the a. m. test item. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i> |               |  |                                   |                                       |                     |

**Prüfzeugnis**  
*Test certificate*

**Nr./ no. 2013-B-5199**

1. Ausfertigung  
*1<sup>st</sup> execution*

**Auftraggeber:** Lion Chemtech Co., Ltd.  
*Client:* 41-5, Munpyeong-dong  
Daedeok-gu  
Daejeon  
Republic of Korea

**Prüfgegenstand:** **ACRYL SOLID SURFACE - A-104 (PURE WHITE)**  
*Test object:*

**Prüfungsumfang:** Prüfung des Brandverhaltens nach DIN 4102-1:1998-05 zum  
*Extent of testing:* Nachweis der Baustoffklasse B1  
*reaction to fire test acc. to DIN 4102-1:1998-05 to the proof of the building material class B1*

**Probenahme:** nicht amtlich  
*Sampling:* not official

**Probeneingang:** 04.12.2013 (Proben-Nr.: 13-819)  
*Date of sample receipt:* 2013-04-12 (sample no.: 13-819)

**Berichtsumfang:** 6 Seiten Text und 3 Anlagen  
*This report comprises:* 6 pages and 3 annexes

Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgegenstände.  
*The test results exclusively refer to the test objects.*

Die Prüfung erfolgte gemäß DIN 4102 Teile 1 und 16 sowie den Zulassungsgrundsätzen für den Nachweis der Schwerentflammbarkeit von Baustoffen (Baustoffklasse B1 nach DIN 4102) in der zur Zeit gültigen Fassung.  
*The tests took place in accordance with DIN 4102 parts 1 and 16 as well as the principles of permission for the proof of the flame-retardance from building materials (building material class B1 according to DIN 4102) in the at present valid version.*

Anmerkung: Dieses Prüfzeugnis ersetzt nicht einen notwendigen bauaufsichtlichen Nachweis nach deutschem Baurecht.  
*Note: This test certificate does not replace a necessary required certification according to German building regulations.*

Veröffentlichungen von Prüfzeugnissen, auch auszugsweise und Hinweise auf Prüfungen zu Werbezwecken bedürfen in jedem Einzelfalle der schriftlichen Einwilligung der Prüfstelle. Die einzelnen Blätter dieses Prüfzeugnisses sind mit dem Firmenstempel der MPA Dresden GmbH versehen.  
*Publications of test certificate and information on tests for publicity purposes require the written approval of the institution in every isolated case. Every page of this certificate is stamped with the seal of the test institution.*







# NKBA<sup>®</sup>

National Kitchen & Bath Association

LION CHEM TECH CO, LTD

**MEMBER IN GOOD STANDING FOR 2013**

Member ID # 1088978

Member Since 2/9/2006

The National Kitchen & Bath Association is an organization of the finest professionals in the kitchen and bath industry. NKBA members subscribe to the highest standards of ethical business conduct and effectively serve the needs of their community, providing quality and value in their products and services.

A handwritten signature in black ink, appearing to read "John K. Morgan".

John K. Morgan – 2013 NKBA President

# NSF International



RECOGNIZES

**LION CHEMTECH CO., LTD.**  
Facility: DAEJEON, KOREA

AS COMPLYING WITH NSF/ANSI 51.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada

This certificate is the property of NSF International and must be returned upon request. To verify Certification, call 800 NSF-MARK or 734 769-8010.

March 24, 2004  
Certificate# 0W271 - 01

Joseph L. Phillips, General Manager  
Food Equipment

Products



**Test Report No. :** Q00284708a 001

Page 1 of 9

**Client:** LION CHEMTECH CO., LTD.

41-5, Moonpyong-Dong,  
Daeduk-Ku, Daejeon,  
Republic of Korea

**Test Item(s):** Plate

**Identification/  
Model No(s):** ACRYL SOLID SURFACE

**Sample Receiving date:** 2013-11-27

**Delivery condition:** Apparent good, Samples tested as received

**Test Specification:**

**Test Result:**

Selected tests for the suitability for contact with foodstuffs complied with the following regulations:

- German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

PASS


**Other Information:**

Testing period: 2013-11-29 - 2013-12-06

For and on behalf of  
TÜV Rheinland (Hong Kong) Ltd.

2013-12-13

Date



Kenny Liu / Senior Project Chemist

Name / Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

# CERTIFICATE OF APPROVAL

## LION CHEMTECH Co., Ltd.

41-5, MUNPYEONG-DONG, DAEDEOK-GU, DAEJEON, KOREA

Korean Standards Association hereby certifies that the Environmental Management System of the above organization has been assessed and found to meet the requirements of the standard and scope of certification detailed below:

CERTIFICATION No.

EMS-0117

STANDARD

KS I ISO 14001:2009/ISO 14001:2004

SCOPE OF CERTIFICATION

DESIGN, DEVELOPMENT, PRODUCTION AND SALES OF INDUSTRIAL WAX(PE, PP, EBS, LP), ACRYLIC SOLID SURFACE

VALID FROM

15 June, 2011

VALID UNTIL

14 June, 2014

Original Certification Date : 19 March, 2003

*Chang Ryong Kim*  
CHAIRMAN OF KSA

Date of Issue : 29 May, 2011

**KOREAN STANDARDS ASSOCIATION**

701-7, Yeoksam-Dong, Gangnam-Gu, Seoul, Korea



GREENGUARD ENVIRONMENTAL INSTITUTE

CONGRATULATES

*Lion Chemtech Co., Ltd.*

FOR ACHIEVING GREENGUARD CERTIFICATION  
FOR LOW EMITTING PRODUCTS AND MATERIALS  
UNDER THE STANDARDS OF THE INSTITUTE.



*October 19, 2009*

CERTIFICATION DATE

*90225*

CERTIFICATION NUMBER

*Maaila S. Flueke, PhD*

EXECUTIVE OFFICER

# CERTIFICATE OF APPROVAL

## LION CHEMTECH Co., Ltd.

41-5, MUNPYEONG-DONG, DAEDEOK-GU, DAEJEON, KOREA

Korean Standards Association hereby certifies that the Quality Management System of the above organization has been assessed and found to meet the requirements of the standard and scope of certification detailed below:

CERTIFICATION No. \_\_\_\_\_

QMS-1058

STANDARD \_\_\_\_\_

KS Q ISO 9001:2009/ISO 9001:2008

SCOPE OF CERTIFICATION \_\_\_\_\_

DESIGN, DEVELOPMENT, PRODUCTION AND SALES OF INDUSTRIAL WAX(PE, PP, EBS, LP), ACRYLIC SOLID SURFACE

VALID FROM \_\_\_\_\_

15 June, 2011

VALID UNTIL \_\_\_\_\_

14 June, 2014

Original Certification Date : 15 June, 2002

*Chang Ryong Kwon*

CHAIRMAN OF KSA

Date of Issue : 29 May, 2011

**KOREAN STANDARDS ASSOCIATION**

701-7, Yeoksam-Dong, Gangnam-Gu, Seoul, Korea