

TUV Rheinland Korea Ltd.  
Mr. HwangHyun No Project Engineer  
Products/Electrical/BATT  
E&C Venture Dream Tower 6  
197-28, Guro-dong, Guro-gu  
Seoul 152-719  
Rep. of Korea

Date : 16.06.2016  
Our ref. : HHN ZOL  
Your ref.: 386141

**Ref : R1 TÜV-Mark Approval (local)**

Type of Equipment : Secondary System, LiNiMnCoO2  
Model Designation : See Certificate  
Certificate No. : R1 50348381 0001  
Report No. : 50045831 001

Dear Mr. HwangHyun No,

Please find enclosed certification documents as specified above.

Please forward these originals to the certificate holder.

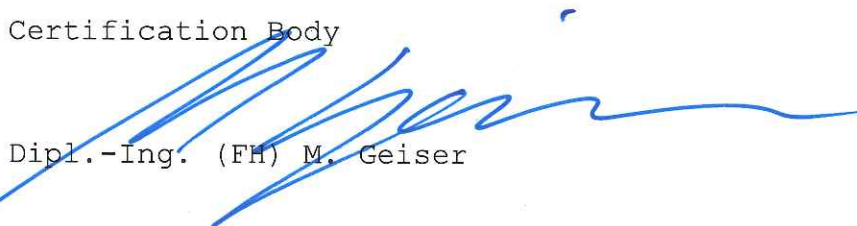
If you contact our office, please quote our reference above.

We thank you for your cooperation.

The license holder is: LG Chem, Ltd.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

With kind regards,

Certification Body

  
Dipl.-Ing. (FH) M. Geiser

Enclosure

LG Chem, Ltd.  
Mr. Jaeseung Lee Assistant Manager  
Quality Management Dept.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

Date : 16.06.2016  
Our ref. : HHN ZOL  
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Type of Equipment : Secondary System, LiNiMnCoO2  
Model Designation : See Certificate  
Certificate No. : R1 50348381 0001  
Report No. : 50045831 001

Dear Mr. Jaeseung Lee,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate.

As the photo documentation is the evidence of certification, you need to keep the authorized copy for reference purposes as long as your certificate remains valid and the products are being sold.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body

  
Dipl.-Ing. (FH) M. Geiser

cc: TÜV Rheinland Korea Ltd.

Enclosure

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R1 50348381

Blatt *Page*  
0001

Ihr Zeichen *Client Reference*  
386141

Unser Zeichen *Our Reference*  
ZOL-HHN-50045831 001

Ausstellungsdatum *Date of Issue*  
16.06.2016  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
LG Chem, Ltd.  
128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul 150-721  
Rep. of Korea

Fertigungsstätte *Manufacturing Plant*  
PEOPLEWORKS  
228, 1gondan-ro,  
Gumi-si, Gyeongsangbuk-do, 730-904  
Rep. of Korea

Prüfzeichen *Test Mark*



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1419036554

Geprüft nach *Tested acc. to*  
IEC 62619:2012/NP (21A/499/NP)

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

Lithium-ion battery Secondary System, LiNiMnCoO<sub>2</sub>

Type Designation: RESU 3.3  
Containing Cell: JH3  
System Configuration: [1P\_14S] Cells

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Rated Capacity: 63Ah  
Nominal Voltage: 51.8V  
Nominal Charging Voltage: 58.8V  
Watt-hour Rating: 3300Wh  
BMU Identification: RESU GEN2, RESU\_JH3  
BMU version: 1.0.0.0, V03

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ANLAGE (Appendix): 1



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland Japan Ltd., 3-19-5 Shin Yokohama, Yokohama 222-0033, Japan

Tel.: (+81/45)470-1850 e-mail: info@jpn.tuv.com  
Fax: (+81/45)473-5221 http://www.tuv.com/jp

Dipl.-Ing. (FH) M. Geiser