

## Gefahrgutinformation / Dangerous Goods Information

Artikelnummer / Article number: **6ES7971-1AA00-0AA0**

<p>Bei dem Produkt handelt es sich um</p> <ul style="list-style-type: none"> <li>• 1 Lithium-Metall-Zelle (keine Knopfzelle), die die Voraussetzungen der Sondervorschrift 188 der „UN Recommendations on the Transport of Dangerous Goods“ erfüllt, insbesondere:             <ul style="list-style-type: none"> <li>• Zelle <math>\leq</math> 1 g Lithiumgehalt</li> <li>• Zelle entspricht einem Typ, für den nachgewiesen wurde, dass er die Anforderungen jedes zum Testzeitpunkt anwendbaren Tests des UN Manual of Tests and Criteria, Teil III, Unterabschnitt 38.3, Revision 3 Amendment 1 oder einer nachfolgenden Revision und Amendment erfüllt (weitere Details s. auch Anlage Test Summary).</li> </ul> </li> </ul> <p>Das Produkt ist daher bei Lieferung für die nachfolgend angeführten Gefahrgutvorschriften wie angegeben klassifiziert und ist entsprechend den anwendbaren nationalen und internationalen Gefahrgutvorschriften für die genutzten Verkehrsträger zu befördern.</p> <p>Bitte beachten Sie für weitere Beförderungen die fortlaufenden Änderungen der Gefahrgutvorschriften sowie ggf. Änderungen am Produkt nach Lieferung.</p>	<p>The product is</p> <ul style="list-style-type: none"> <li>• 1 Lithium metal cell (no button cell) meeting the preconditions of Special Provision 188 of the “UN Recommendations on the Transport of Dangerous Goods” especially:             <ul style="list-style-type: none"> <li>• Cell <math>\leq</math> 1 g lithium content</li> <li>• Cell is of a type proved to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, Revision 3 Amendment 1 or any subsequent revision and amendment applicable at the date of the type testing (more details see also attached Test Summary).</li> </ul> </li> </ul> <p>On delivery, the product is therefore classified according to the dangerous goods regulations as mentioned below and has to be transported according to the applicable national and international dangerous goods regulations for the modes of transport used.</p> <p>Please consider for further transports the continuous changes of the dangerous goods regulations as well as applicable changes of the product after delivery.</p>
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Anlage / Attachment:  
Test Summary according 38.3 UN Manual of Tests and Criteria

ADR/RID/ADN: UN 3090 Lithium-Metall-Batterien, 9,  
Lithium-Metall-Zelle (keine Knopfzelle), Voraussetzungen der Sondervorschrift 188 erfüllt  
UN 3090 Lithium metal batteries, 9,  
Lithium metal cell (no button cell), preconditions of Special Provision 188 met

ICAO-TI/IATA-DGR: UN 3090 Lithium metal batteries, 9,  
Lithium metal cell (no button cell), preconditions of Section IB PI 968 met

IMDG Code: UN 3090 Lithium metal batteries, 9,  
Lithium metal cell (no button cell), preconditions of Special Provision 188 met

Batterie / battery: Typ, type: SB-AA02  
Hersteller, manufacturer: Vitzrocell

# UN38.3 TEST SUMMARY

Test summary according to UN Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.

<p>(a) Manufacturer : VITZROCELL Co., Ltd.</p> <p>(b) Address : 70, Induspark-ro, Hapdeok-eup, Dangjin-si, Chung-Nam, Korea</p> <p>Phone number : +82 (0)2 2024 3244          Email address : overseas@vitzrocell.com          Website : www.vitzrocell.com</p>	<p>(c) Test Laboratory : Reliability Test Center of Vitzrocell</p> <p>Address : 70, Induspark-ro, Hapdeok-eup, Dangjin-si, Chung-Nam, Korea</p> <p>Phone number : +82 (0)2 2024 3244          Email address : overseas@vitzrocell.com          Website : www.vitzrocell.com</p>
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(d) Unique test report ID-number: 1118AI, 1119AI, 1120AI, 1121AI, 1122AI (e) Date of test reports: 21<sup>st</sup> of Nov, 2019

(f) Description of cell or battery:

(i)  Li-ion cell  **Li-metal cell**  Li-ion battery  Li-metal battery

(ii) Mass, gram : SB-AA02(8.8g), SB-AA11(16g), SB-A01(21g), SB-C02(51g), SB-D02(94g)

(iii) Watt-hour rating:  or **Lithium content**, gram: SB-AA02(0.3g), SB-AA11(0.62g), SB-A01(0.97g), SB-C02(2.18g), SB-D02(4.9g)

(iv) Physical description of the cell or battery: **TEKCELL brand, cylindrical cell**

(v) Model number(s): **SB-AA02, SB-AA02P, SB-AA11, SB-A01, SB-C02, SB-D02**

(g) List of tests conducted and results (i.e., Pass/Fail):

Summary			
No.	Test Clause	Test Performed	Result
T1	38.3.4.1	Altitude simulation	Pass
T2	38.3.4.2	Thermal test	Pass
T3	38.3.4.3	Vibration	Pass
T4	38.3.4.4	Shock	Pass
T5	38.3.4.5	External Short Circuit	Pass
T6	38.3.4.6	Crush/Impact	Pass
T7	38.3.4.7	Overcharge	Not applicable
T8	38.3.4.8	Forced Discharge	Pass

(h) Reference to assembled battery testing requirements:  
 Not Applicable  UN38.3.3 (f)  UN38.3.3 (g)

(i) Reference to the revised edition of the Manual of Tests and Criteria used and to amendments hereto, if any: **UN Manual of Tests and Criteria, acc to. UN38.3 Edition 6.0, amendment 1**

(j) Date : 21<sup>st</sup> of Nov, 2019  
 Name : Mr. Jung-Min, Kim  
 Title : Quality Manager

Signature: 