

Gefahrgutinformation / Dangerous Goods Information

Artikelnummer / Article number: **6AG2647-8BE72-1HA1**

Das Produkt enthält

- 1 eingebaute Lithium-Metall-Knopfzelle, die die Voraussetzungen der Sondervorschrift 188 der „UN Recommendations on the Transport Of Dangerous Goods“ erfüllt, insbesondere:
 - Zelle ≤ 1 g Lithiumgehalt
 - 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).

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.

Bitte beachten Sie für weitere Beförderungen die fortlaufenden Änderungen der Gefahrgutvorschriften sowie ggf. Änderungen am Produkt nach Lieferung.

The product contains

- 1 installed lithium metal button cell meeting the preconditions of Special Provision 188 of the “UN Recommendations on the Transport of Dangerous Goods”, especially:
 - Cell ≤ 1 g lithium content
 - 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 attached Test Summary).

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.

Please consider for further transports the continuous changes of the dangerous goods regulations as well as applicable changes of the product after delivery.

Anlage / Attachment:
Test Summary according 38.3 UN Manual of Tests and Criteria

ADR/RID/ADN: UN 3091 Lithium-Metall-Batterien in Ausrüstungen, 9,
1 Knopfzelle pro Gerät, Voraussetzungen der Sondervorschrift 188 erfüllt
UN 3091 Lithium metal batteries contained in equipment, 9,
1 button cell per equipment, preconditions of Special Provision 188 met

ICAO-TI/IATA-DGR: UN 3091 Lithium metal batteries contained in equipment, 9,
1 button cell per equipment, preconditions of Section II PI 970 met

IMDG Code: UN 3091 Lithium metal batteries contained in equipment, 9,
1 button cell per equipment, preconditions of Special Provision 188 met

Batterie / battery: Typ, type: BR2450A
Hersteller, manufacturer: Panasonic

Lithium Battery Test Summary / UN38.3 試験結果要約

Product manufacturer

Address/住所

Telephone/電話番号

e-mail

URL

Panasonic Corporation

1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan

+81-6-6994-4560

un38.3_microbattery@ml.jp.panasonic.com

https://www.panasonic.com/global/home.html

Test laboratory

Address/住所

Telephone/電話番号

e-mail

URL

Panasonic Corporation

1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan

+81-6-6994-4560

un38.3_microbattery@ml.jp.panasonic.com

https://www.panasonic.com/global/home.html

Description of Product / 製品情報

Model Number/品番

Type/タイプ

Physical description/物理特性

Mass/質量

Lithium content/リチウム含有量

Watt-hour rating/ワット時定格値

Nominal Voltage/公称電圧

Nominal Capacity/公称容量

BR2450A

Lithium metal cell

Non-rechargeable, Coin

5 g

0.16 g

Not applicable

3.0 V

550 mAh

Test Results / 結果

Identification number/番号

Date of test report/レポート発行日

Reference edition/参照

CP0022-7

2009/01/13

UN Manual of Tests and Criteria, Rev.4 with Amd. 1 and Amd.2

UN Manual of Tests and Criteria 国連勧告テスト判定基準	Results 結果	Remarks 備考
T1 : Altitude simulation / 高度シミュレーション	Pass / 合格	
T2 : Thermal Test / 温度試験	Pass / 合格	
T3 : Vibration / 振動	Pass / 合格	
T4 : Shock / 衝撃	Pass / 合格	
T5 : External short circuit / 外部短絡	Pass / 合格	
T6 : Impact / 衝突, Crush / 圧壊	Pass / 合格	Impact / 衝突
T7 : Overcharge / 過充電	-	for rechargeable batteries only / 充電式電池のみ
T8 : Forced discharge / 強制放電	Pass / 合格	

Hereby we certify that this model of Lithium battery meets the requirements of each test in the UN Manual of Tests and Criteria Part III, sub-section 38.3.

上記テストは国連勧告テスト(Manual of Tests and Criteria, Part III, sub-section 38.3.)に従い確認された結果であることを証明致します。

Signature:



Name and Title: Kazuyuki Amano / Manager

Energy Device Business Division