



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KIWA 14.0003X Issue No: 0 Certificate history:
Issue No. 0 (2014-11-07)

Status: **Current** Page 1 of 3

Date of Issue: **2014-11-07**

Applicant: **TechNed Benelux B.V.**
Veersteeg 14
4212 LR Spijk
The Netherlands

Electrical Apparatus: **Smartphone Model EX-SM14 with associated USB connection cable Model
BC_EX-SM14_USB_cable_1**

Optional accessory:

Type of Protection: **Ex ib**

Marking: Ex ib IIC T4 Gb
Ex ib IIIC T135 °C Db

*Approved for issue on behalf of the IECEx
Certification Body:*

Pieter van Breugel

Position:

Certification Officer

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
7300 AC Apeldoorn
The Netherlands





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Manufacturer: **Techned Benelux B.V.**
Veersteeg 15
4212 LR Spijk
The Netherlands

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[NL/KIWA/ExTR14.0002/00](#)

Quality Assessment Report:

[NL/DEK/QAR11.0036/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

Waterproof and dust tight dual SIM Smartphone Model EX-SM14 with touch screen and robust enclosure, providing a degree of protection IP68, designed for industrial use.

For charging and data transfer, a specific USB connection cable type BC_EX-SM14_USB_cable_1 is prescribed.

Ambient temperature range -20 ° C to +55 ° C.

Electrical data

Supply:

Integral, rechargeable Lithium-ion cell, not replaceable by the user;
capacity 2200 mAh; nominal voltage 3,7 Vdc.

The battery may only be recharged outside the explosive atmosphere, only with the associated USB connection cable type BC_EX-SM14_USB_cable_1.

CONDITIONS OF CERTIFICATION: YES as shown below:

- The battery of smartphone model EX-SM14 may only be recharged outside the explosive atmosphere and only via the associated USB connection cable model BC_EX-SM14_USB_cable_1.