IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.:	**IECEx EPS 21.0041X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2021-10-29		
Applicant:	**i.safe MOBILE GmbH** i_Park Tauberfanken 10 97922 Lauda-Koenigshofen **Germany**		
Equipment:	**IS120.2 intrinsically safe Mobile Phone**		
Optional accessory:			
Type of Protection:	**Intrinsic safety**		
Marking:	Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc		

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

Position: **Certification Manager**

Signature: (for printed version)

Date: 2021-10-29

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 www.iecex.com or use of this QR Code.

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany

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Certificate No.: **IECEx EPS 21.0041X**

Date of issue: 2021-10-29

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Manufacturer: **i.safe MOBILE GmbH**
i_Park Tauberfanken 10
97922 Lauda-Koenigshofen
Germany

Additional manufacturing locations:

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 equipment 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 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11:2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

This Certificate **does not** indicate compliance with 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:

DE/EPS/ExTR21.0042/00

Quality Assessment Report:

DE/EPS/QAR12.0003/13

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The intrinsically safe and rugged key operated 4G (LTE) mobile phone IS120.2 has been designed for use in the explosion hazardous areas of zone 2 and 22. The mobile phone is simple to use and provides beneath other features a long-lasting battery and a powerful loudspeaker.

Power supply: Replaceable LiPo battery U_O = 3.7 V (U_{O_max} = 4.2 V) / 2200 mAh / 8.14 Wh

Interfaces:

The device has two charging contacts for charging outside hazardous areas with an approved charging adapter (U_m = 5.88 V). The contacts are intrinsically safe for gas and dust.

The device supports an USB interface (micro USB; U_m = 5.88 V) for charging and data transmission. It is covered by an IP plugger and is not allowed to be opened in hazardous areas.

Furthermore, a SIM card may be used in the corresponding slot in potentially explosive atmospheres. The internal electrical capacity of the SIM card is negligible.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The battery may be charged outside explosion hazardous areas only.

The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

The permitted ambient temperature range is -20 °C to +60 °C.