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 CML 19.0100**

Certificate history:
Issue 0 (2019-08-14)

Status: **Current**

Issue No: 1

Date of Issue: 2020-02-27

Applicant: **Casella (Ideal Industries Ltd)**
Regent House, Wolseley Road, Kempston, Bedford, MK42 7JY
United Kingdom

Equipment: **Casella VAPex Personal Air Sampling Pump**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: Ex ia IIC T4

Ta = -20°C to +45°C

Approved for issue on behalf of the IECEx Certification Body: **D R Stubbings BA MIET**

Position: **Technical Director**

Signature:
(for printed version)

Date: 2020-02-27

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

IECEx Certificate of Conformity

Certificate No.: **IECEx CML 19.0100**

Date of issue: 2020-02-27 Issue No: 1

Manufacturer: **Casella (Ideal Industries Ltd)**
Regent House, Wolseley Road, Kempston, Bedford MK42 7JY
United Kingdom

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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

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

GB/CML/ExTR19.0127/00 GB/CML/ExTR20.0043/00

Quality Assessment Report:

GB/SIR/QAR10.0002/09

IECEx Certificate of Conformity

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

The Casella VAPex Pump is a personal air sampling pump typically used to take samples of gases or vapours. It is a body-worn, battery-powered self-contained device housed within a polycarbonate anti-static enclosure. The pump is designed to provide a stable and controlled flow rate of 20 to 500 ml/min such that a known volume of gas is passed through a sorbent tube. Gases and vapour samples are collected on a sorbent tube and are subjected to mass or chemical analysis in a laboratory in order to establish a worker's exposure to potentially hazardous gases. Such sampling pumps are typically worn on the user's belt and are connected to the sorbent tube via a short length of tube.

Refer to Annex for full description and conditions of manufacture.

SPECIFIC CONDITIONS OF USE: NO

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. To permit the use of Samsung INR18650-25R cells in place of the Samsung ICR18650-26F cells, within the battery pack.

Annex:

IECEx CML 19.0100 Iss. 1 Certificate Annex.pdf

Annexe to:	**IECEx CML 19.0100 Issue 1**
Applicant:	**Casella (Ideal Industries Ltd)**
Apparatus:	**Casella VAPex Personal Air Sampling Pump**

Product description

The Casella VAPex Pump is a personal air sampling pump typically used to take samples of gases or vapours. It is a body-worn, battery-powered self-contained device housed within a polycarbonate anti-static enclosure. The pump is designed to provide a stable and controlled flow rate of 20 to 500 ml/min such that a known volume of gas is passed through a sorbent tube. Gases and vapour samples are collected on a sorbent tube and are subjected to mass or chemical analysis in a laboratory in order to establish a worker's exposure to potentially hazardous gases. Such sampling pumps are typically worn on the user's belt and are connected to the sorbent tube via a short length of tube.

The equipment shall only be recharged in the safe area using either:

1. VAPex Pump Five Way Charger
2. VAPex Pump Single Way Charger

The chargers must be supplied from a SELV source with Um = 63V

These chargers shall have an output not exceeding:

Um = 6.95V
Imax = 850mA

The equipment may be connected via the USB port, to other external equipment in the safe area only. The external equipment shall have an output not exceeding:

Um = 5.9V
Imax = 85mA

Variation 1

To permit the use of Samsung INR18650-25R cells in place of the Samsung ICR18650-26F cells, within the battery pack.

Conditions of Manufacture

The following are conditions of manufacture:

i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.

Specific Conditions of Use

None

Unit 1, Newport Business Park
New Port Road
Ellesmere Port
CH65 4LZ

T +44 (0) 151 559 1160
E info@cmlex.com

www.cmlex.com

Company Reg No. 8554022 VAT No. GB163023642