



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 16.0068	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2022-08-31)
Date of Issue:	2022-11-16		Issue 4 (2022-04-01)
Applicant:	Casella Holdings Limited Regent House, Kempston, Bedfordshire MK42 7JY United Kingdom		Issue 3 (2021-10-26)
Equipment:	APEX2 Personal Air Sampling Pump		Issue 2 (2020-02-27)
Optional accessory:			Issue 1 (2017-09-21)
Type of Protection:	Intrinsic safety "Ex ia"		Issue 0 (2016-11-23)
Marking:	Ex ia I Ma Ex ia IIC T4 Ga Ex ia IIIC T135°C Da (-20°C ≤ Ta ≤ +45°C) or (Ta = -20°C to +45°C)		

Approved for issue on behalf of the IECEx
Certification Body:

Ben Trafford

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

2022-11-16

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





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Date of issue: 2022-11-16

Issue No: 6

Manufacturer: **Casella Holdings Limited**
Regent House,
Kempston,
Bedfordshire MK42 7JY
United Kingdom

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/ExTR16.0085/00](#)
[GB/CML/ExTR22.0058/00](#)

[GB/CML/ExTR17.0158/00](#)
[GB/CML/ExTR22.0135/00](#)

[GB/CML/ExTR21.0247/00](#)
[GB/CML/ExTR22.0242/00](#)

Quality Assessment Report:

[GB/SIR/QAR10.0002/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Casella APEX2 Personal Air Sampling Pump is a personal air sampling pump typically used to take samples of airborne materials or toxic contaminants. It is a bodily worn, battery-powered self-contained device housed within a PC anti-static enclosure. The pump is designed to provide a stable controlled flow rate of approximately 0.5 to 5 litre/min such that a known volume of air is passed through a passive sampling head and filter medium.

Airborne materials are collected onto a filter substrate and are subjected to mass or chemical analysis in a laboratory in order to establish a worker's exposure to potentially hazardous materials. Sampling pumps are typically worn on the user's belt and are connected to the sampling head via a short length of tube.

For full product description and Conditions of Manufacture refer to Certificate Annex.

SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

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

1. APEX2/IS 5L Pump Five Way Charger
2. APEX2/IS 5L Pump Single Way Charger

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

These chargers have an output of:

$U_m = 14.5V$

$I_{max} = 850mA$

When connected to a USB in the safe area:

$U_m = 5.9V$

$I_{max} = 85mA$



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update to Applicant/Manufacturer name

Annex:

[IECEX CML 16.0068 Issue 6 Annex \(1\).pdf](#)

Annexe to: IECEx CML 16.0068 Issue 6
Applicant: Casella Holdings Limited
Apparatus: APEX2 Personal Air Sampling Pump

Description

The Casella APEX2 Personal Air Sampling Pump is a personal air sampling pump typically used to take samples of airborne materials or toxic contaminants. It is a bodily worn, battery-powered self-contained device housed within a PC anti-static enclosure. The pump is designed to provide a stable controlled flow rate of approximately 0.5 to 5 litre/min such that a known volume of air is passed through a passive sampling head and filter medium.

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These have an output of:

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 $I_{max} = 850mA$

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$U_m = 5.9V$
 $I_{max} = 85mA$

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 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.
- ii. The APEX2 Personal Air Sampling Pump and chargers are to be designed in accordance with general electrical safety standards e.g. IEC 60950.



Certificate Annex IECEx
Version: 9.0 Approval: Approved

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Specific Conditions of Use

None

Components covered by Ex Certificates issued to older editions of Standards

None