



QPS Evaluation Services Inc
 Testing, Certification and Field Evaluation Body
 Accredited in Canada, the USA, and Internationally

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| File |
| LR1409 |


CERTIFICATE OF COMPLIANCE
 (ISO TYPE 3 CERTIFICATION SYSTEM)

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| Issued to | Casella (Ideal Industries Ltd.) |
| Address | Regent House, Wolseley Road Kempston, Bedford Bedfordshire MK42 7JY United Kingdom |
| Project Number | LR1409-2R1 |
| Product | Personal Air Sampling Pump |
| Model Number | APEX2 |
| Ratings/Markings | See ANNEX below |
| Applicable Standards | CSA C22.2 No. 60079-0:2015 CSA C22.2 No. 60079-11:2014 CSA C22.2 No. 61010-1:2012 UL 60079-0 6th ed UL 60079-11 6th ed UL 913 8th ed UL 61010-1 3rd ed |
| Factory/Manufacturing Location | Same as Applicant |

Statement of Compliance: The product(s) identified in this Certificate and described in the Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.



Issued By: **Dave Adams, P.Eng.**
 Manager, Hazardous Locations [Ex Equipment] Department

Signature: 

Date: April 30, 2020



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ANNEX:

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.

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 an SELV source with $U_m = 63V$

These have an output of:

$U_m = 14.5V$

$I_{max} = 850mA$

When connected to a USB in the safe area:

$U_m = 5.9V$

$I_{max} = 85mA$

The APEX2 Personal Air Sampling Pump has the following classifications:

| Canada | US |
|--|---|
| Ex ia I Ma Ex ia IIC T4 Ga Ex ia IIIC T135°C Da Ta = -20°C to +45°C | Class I, Zone 0 AEx ia IIC T4 Ga Zone 20 AEx ia IIIC T135°C Da |