



# 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](http://www.iecex.com)

Certificate No.: IECEx QPS 17.0009X

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-09-22\)](#)

Status: **Current**

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Date of Issue: **2017-09-22**

Applicant: **Galvanic Applied Sciences Inc.**  
7000 Fisher Rd, SE  
Calgary, Alberta  
T2H 0W3  
**Canada**

Equipment: **Ultraviolet Absorption Spectrophotometric Analyzer**

*Optional accessory:*

Type of Protection: **"d" "I"**

Marking:

IECEX QPS 17.0009

Ex db ia IIB+H2 T4 Gb

Tamb=-20°C to +50°C

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

D. Adams, P. Eng.

*Position:*

Manager, Hazardous Locations Department [Ex Equipment]

*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](#).

Certificate issued by:

**QPS**  
**Evaluation Services Inc.**  
81 Kelfield St  
Unit 8  
Toronto, Ontario M9W 5A3  
Canada





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Date of Issue: **2017-09-22** Page 2 of 3

Manufacturer: **Galvanic Applied Sciences Inc.**  
7000 Fisher Rd, SE  
Calgary, Alberta  
T2H 0W3  
**Canada**

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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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:

[CA/QPS/ExTR17.0009/00](#)

Quality Assessment Report:

[GB/ITS/QAR14.0026/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Ultraviolet Absorption Spectrophotometric Analyzer:

Model: FPA4100 CE series with type of

TYPE	TYPE CODE	SOURCE
4100VIS	VIS	TUNGSTEN
4100UV1	UV1	MERCURY
4100UV2	UV2	MERCURY BIPHOSPOR
4100UV3	UV3	ZINC
4100UV4	UV4	CADMIUM

Ex db ia IIB+H2 T4 Gb

IP66 (control unit)

Main Input: 110/230 Vac 50/60Hz, 100W, or, 24 Vdc 100W

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only for indoor use. Avoid impact or friction sparks
2. External connector for connection to Galvanic Keypad model SA2992 only