



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

Certificate No.: **IECEX QPS 21.0009X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2021-07-29  
Applicant: **Galvanic Applies Sciences Inc.**  
7000 Fisher Rd. SE  
Calgary, AB  
T2H 0W3  
Canada  
Equipment: **Gas Chromatograph Analyzer, Models: AccuChrome-S-Z1 and AccuChrome-C6-Z1**  
Optional accessory:  
Type of Protection: **db [ja Ga]**  
Marking: **Ex db [ja Ga] IIB+H2 T3 Gb**

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

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





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Date of issue: 2021-07-29

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Manufacturer: **Galvanic Applied Science Inc.**  
7000 Fisher Road S.E. Calgary, Alberta, Canada.  
**Canada**

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 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
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 Report:

[CA/QPS/ExTR21.0008/00](#)

Quality Assessment Report:

[GB/ITS/QAR14.0026/04](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Gas Analyzer model AccuChrome Z1 utilize gas chromatography technology primarily to determine the gas composition of natural gas and other natural gas derivatives. It can also be used to analyse the concentration of individual gas species within mixtures of other gases.

The analyzer analog outputs and alarm relay contacts may be powered by a source separate from the one (s) used to power the analyzer system.

Disconnecting the main power source may not remove power from the analog output signals

The operator can communicate with the analyzer via a handheld keypad which plugs into a connector located on the exterior of the upper Electronic enclosure. The operator can also communicate with the analyzer via a personal computer which plugs into an Ethernet connection on the exterior of the Electronic enclosure. The keypad and personal computer and corresponding Ethernet connection cannot be used unless the area is deemed to be non-hazardous.

The AccuChrome Z1 Gas analyzer has options of powered by AC (110 Vac - 240 Vac) ,or Dc ( 24 Vdc).

The models are:

AccuChrome-S-Z1

AccuChrome-C6-Z1

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

1. Read and understand the manual before working with the analyzer.
2. Only qualified personnel should install, operate, and maintain the analyzer.