

January 20, 2023

Attention: Kevin Harris
INSIGHT ANALYTICAL SOLUTIONS
3202 12 AVE NE
CALGARY, AB T2A 6N8

The design submission, Tracking Number 2023-00141, originally received on January 09, 2023 was surveyed and accepted for registration as follows:

CRN : 0F21935.2 **Accepted on:** January 20, 2023
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** December 03, 2031
Drawing No. : INSIGHT CRN-005 Rev B
Fitting type: 1/2 NPT NESSI SAMPLE PROBE

Description	MAWP	Design Temperature	MDMT
Internal Pressure	20684kPa	149 °C	-45 °C

The registration is conditional on your compliance with the following notes:

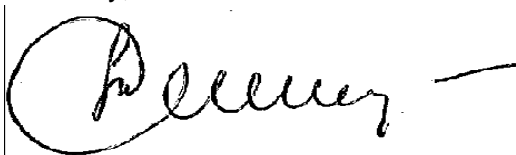
As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3310 or fax (780) 437-7787 or e-mail Onshchenko@absa.ca.

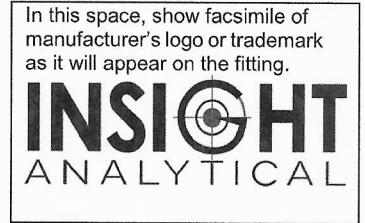
Sincerely,



ONSHCHENKO, TETYANA, P. Eng.
DOP Cert. No. D00010125

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, Kevin Harris, Research Engineer
(name of applicant) (position title) (must be in a position of authority)
of Insight Analytical Solutions
(name of manufacturer)
located at 3202 12 Ave NE, Calgary, AB T2A 6N8
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of _____ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	NeSSI Probe, Category H Fitting	Pending	Pending		ABSA	Insight Analytical Solutions, 3202 12 th Ave NE, Calgary AB T2A 6N8
2.						

In support of this application, the following information, calculations and/or test data are attached:

Evaluation report and Calculations INA-01-D-FE-01 Nessi Probe CRN Submission Report Rev1 stamped

Drawings INSIGHT CRN-005

[Signature]

(Signature of the Declarer)

Jan. 9th, 2023

(Date)

DECLARED before me at Calgary in the Province of Alberta

this 9th day of January, 2023

(print) Kenneth Kotyk (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

permanent - Solicitor (expiry date (mm/dd/yy))

KENNETH W. KOTYK Barrister, Solicitor & Notary Public in and for the Province of Alberta. My commission is of unlimited duration. No legal advice given.



Commissioner of Oaths / Notary Public in and for: Alberta (province, territory, or state)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category
CRN:
Registered Date:
Expiry Date: 2031-12-03
Signature: (Signature of the Administrator/SCO)
The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
1	NeSSI Probe	ASME SA-276 316/316L SS	½" NPT Threads	-45°C	3000 psi	3000 psi	-	ASME B31.3 ASME B16.11 ASME B1.20.1 ASME PTC 19.3	INSIGHT CRN-005

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

2023-00141

Tracking #: _____