



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRACE ANALYTICS, LLC.<sup>1</sup>  
15768 Hamilton Pool Road  
Austin, TX 78738  
Richard A. Smith Phone: 512 263 0000 or 800 247 1024

CHEMICAL

Valid To: April 30, 2020

Certificate Number: 0322.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following analyses of compressed gas components identified below:

Samples are analyzed for the following components:

Argon	Oil Mist
Carbon Dioxide	Oil Vapor
Carbon Monoxide	Oxygen
Condensed Hydrocarbons	Particulate, Particle Size
Gram Stain	Particulate, Total
Halogenated Hydrocarbons	Specific Gases and Vapors
Methane	Total Microbial Count
Microbial Identification	Total Volatile Hydrocarbon Content
Nitrogen	Water Vapor
Oil Aerosol	

Using the following methods:

<u>Test Technology</u>	<u>Test Method</u>
Gas Chromatography-Mass Spectrometry and Gas Chromatography-Flame Ionization Detection	CAT-A-01
Gravimetry	CAT-A-03
Optical Microscopy	CAT-A-04
Gas Chromatography-Mass Spectrometry	CAT-A-06
Direct Reading Color Reaction Tube	CAT-A-07
Determination of Colony Forming Units	MB-LAB-2

*<sup>1</sup>The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed below. The inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications nor does it confer accreditation for the method(s) embedded within the specifications.*

Air Force T.O. 42B -1-22

American Nitrox Divers International

British Compressed Air Society (BCAS) Food and Beverage Grade Air

○ Direct Contact

○ Indirect Contact

Canadian Standards Association-CSA Z180.1; CSA Z275.2

Compressed Gas Association-ANSI/CGA G-7.1; CGA G-10.1; CGA G-4.3

European Committee for Standardization – EN 12021 (additional EU compatible standards)

European Industrial Gas Association-IGC Doc 126/11/E

Instrument Society of America; ISA 7.0.01

International Association of Nitrox and Technical Divers

International Organization for Standardization-ISO 8573

National Fire Protection Association-NFPA 99; NFPA 1404; NFPA 1500; NFPA 1989

National Institute for Occupational Safety and Health-NIOSH 37-7

Occupational Safety and Health Administration 29 CFR 1910; .56, .134, .430

Professional Association of Diving Instructors-Pure Air Program

U.S. Federal Specification-BB-A-1034; MIL-O-27210F

U.S. Navy Diving Manual-SS521-AG-PRO-010

U.S. Pharmacopeia (USP)- Air; Argon; Nitrogen; Oxygen <621> Chromatography

A handwritten signature in black ink, appearing to be 'L. Se', is located at the bottom center of the page.



## Accredited Laboratory

A2LA has accredited

**TRACE ANALYTICS, LLC.**

*Austin, TX*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 3<sup>rd</sup> day of April 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 0322.01  
Valid to April 30, 2020

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*