



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

AIHA PROFICIENCY ANALYTICAL TESTING PROGRAMS

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PROFICIENCY TESTING PROVIDER

Valid To: April 30, 2025

Certificate Number: 3300.01

In recognition of the successful completion of the A2LA evaluation process, this proficiency testing provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment-General Requirements for Proficiency testing." Accreditation is granted to this provider to provide proficiency testing samples in the following programs:

<u>PROGRAM NAME</u>	<u>FREQUENCY</u>	<u>ANALYTES MEASURED/TYPE OF PT ITEM</u>
Industrial Hygiene Proficiency Analytical Testing ¹	Four times a year	Free silica (quartz) on four 5.0 µm 37 mm PVC (polyvinyl chloride) filter samples containing differing silica concentrations and include a background matrix, on a rotating basis of coal mine dust, talc, calcite, or a combination of talc and coal mine dust.
Industrial Hygiene Proficiency Analytical Testing ¹	Four times a year	Metals sample set includes 0.8 µm 37 mm MCE (mixed cellulose ester) filters that contain three metals (lead, nickel, manganese, cadmium, or chromium) which are rotated on the samples that are distributed each round. The set also includes a blank 0.8 µm 37 mm MCE filter.
Industrial Hygiene Proficiency Analytical Testing ¹	Four times a year	Sorbent tube sample set includes four coconut charcoal sealed sorbent tubes that contain two or three organic solvents that are also rotated each round and include benzene, ethyl acetate, n-butyl acetate, 2-propanol, chloroform, 1,2-dichloroethane, 1,1,1-trichloroethane, o-xylene, toluene, or trichloroethylene. Methanol on silica gel sorbent tubes are also provided periodically as part of the rotation. Four additional blank sorbent tubes for desorption efficiency studies (a total of five blank tubes) are also included.

<u>PROGRAM NAME</u>	<u>FREQUENCY</u>	<u>ANALYTES MEASURED/TYPE OF PT ITEM</u>
Industrial Hygiene Proficiency Analytical Testing ¹	Two times a year	Diffusive sampler set includes two 3M, Assay Technology, or SKC diffusive samplers containing three analytes (benzene, toluene, and o-xylene). The concentration range is within a range allowable when preparing samples using diffusive samplers from at least three different manufacturers. Blank diffusive samples are not provided.
Industrial Hygiene Proficiency Analytical Testing ¹	Four times a year	Fiber sample set includes three concentration levels of asbestos fibers and one man-made fiber sample on 0.8 µm 25 mm MCEF filters in each fiber sample kit. The set also includes a blank 0.8 µm 37 mm MCE filter.
Environmental Lead Proficiency Analytical Testing ²	Four times a year	Dust wipe samples are prepared using field-collected dust samples. Dust wipe sample sets include four samples at differing concentrations and a blank.
Environmental Lead Proficiency Analytical Testing ²	Four times a year	Soil samples are representative of environmental contamination resulting from lead-based paint, the industrial use of disposal of lead-based compounds, or airborne lead emissions. Soil sample sets include four samples at differing concentrations.
Environmental Lead Proficiency Analytical Testing ²	Four times a year	Paint chip samples are obtained from lead-based paints from lead sources representative of the compounds and interferences encountered in field samples. Paint chip sample sets include four samples at differing concentrations.
Environmental Lead Proficiency Analytical Testing ²	Four times a year	Lead-in-Air samples are the same metals samples analyzed in the Industrial Hygiene Proficiency Analytical Testing (IHPAT) Program. Although there are two other metals on the filters, only lead is to be reported for the ELPAT Lead-in-Air Program.
Bulk Asbestos Proficiency Analytical Testing ³	Four times a year	Bulk, real-world materials from abatement projects may contain any of the 6 regulated types of asbestos in a variety of matrices and binders typical of bulk building and insulation materials.



<u>PROGRAM NAME</u>	<u>FREQUENCY</u>	<u>ANALYTES MEASURED/TYPE OF PT ITEM</u>
Beryllium Proficiency Analytical Testing ⁴	Three times a year	Beryllium acetate or beryllium oxide on filter media
Environmental Microbiology Proficiency Analytical Testing ⁵	Four times a year	Identification of fungal spores from digital images using light microscopy (EMPAT Direct Exam)
Environmental Microbiology Proficiency Analytical Testing ⁶	Three times a year	Pure cultures of fungi (EMPAT Culture - Fungi)
Environmental Microbiology Proficiency Analytical Testing ⁶	Three times a year	Pure cultures of bacteria (EMPAT Culture - Bacteria)

¹ The IHPAT Program is a consensus-based PT program. The assigned values and uncertainties are calculated based on reference group results.

² The ELPAT Program is a consensus-based PT program. The assigned values and uncertainties are calculated based on reference group results.

³ The BAPAT Program uses an acceptance range based on multiple methods of analysis so there is no assigned value. Therefore, metrological traceability and uncertainty are not determined.

⁴ The BePAT Program uses a certified reference material as the assigned value and to determine the uncertainty.

⁵ The EMPAT Direct Exam Program is a consensus-based PT program. The expected value is verified by reference group results.

⁶ The expected value for the EMPAT Culture Program (Fungi and Bacteria) is based up on reference materials that are traceable to a reputable culture collection and verified by the reference group.



Accredited Proficiency Testing Provider

A2LA has accredited

AIHA PROFICIENCY ANALYTICAL TESTING PROGRAMS

Falls Church, VA

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment - General requirements for proficiency testing*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 29th day of April 2021.

Vice President Accreditation Services
For the Accreditation Council
Certificate Number 3300.01
Valid to April 30, 2025

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.