SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TEST, RELIABILITY, & EVALUATION BRANCH
Engineering Test Division
U.S. Army Edgewood Chemical Biological Center
Bldg #E5165
Aberdeen Proving Ground, MD 21010-5424
Do P. Nguyen Phone: 410 436 4237

MECHANICAL

Valid To: April 30, 2019 Certificate Number: 0407.01

In recognition of the successful completion of the A2LA evaluation proc[illegible]ccreditation is granted to this laboratory to perform vapor simulant static challenge, entry / exit and pressurization testing on a wide range of CBRN equipped shelters, vehicles, protective clothing, heating, ventilation & air conditioning systems, and detection systems and the following tests on carbon, filters, HEPA filters, filter media, chemical radiological biological nuclear (CBRN) equipment and various material samples such as butyl cloth, and paper:

Test:	**Test Method(s):**
Mechanical	
Strength and Elongation of Woven Cloth	FED-STD-191, Method 5100
HEPA Media Tensile Strength and Elongation	ASME-AG-1; FC-I-4221
HEPA Media Tensile Strength after Heated Air	ASME-AG-1; FC-I-4222
HEPA Media Wet Tensile Strength	ASME-AG-1; FC-I-4223
HEPA Media Tensile Strength after Gamma Irradiation	ASME-AG-1; FC-I-4224 *(except Irradiation Exposure)*[1]
HEPA Media Water Repellency Prior to and After Gamma Irradiation	ASME-AG-1; FC-I-4230
HEPA Media Thickness	ASME-AG-1; FC-I-4240
HEPA Combustible Material	ASME-AG-1; FC-I-4250
Carbon Filter Testing	
Rough Handling, DMMP Gas Life and Airflow Resistance	
Filter, Gas, M98	MIL-PRF-51525, MIL-PRF-51527; SB740-94-6
Filter, Gas, Type I & II	IEST-RP-CC008, Annex A
Filter Canister, Hermetically Sealed	EA-F-1326; SB740-94-6
Filter, Gas-Particulate: M48A1	EA-F-1284; MIL-PRF-32137; SB740-94-6
Filter Canister, Gas-Particulate: C2A1	MIL-PRF-51560, Sections 3.6.8 and 4.3.6.11
Filter, Gas, M18A1	MIL-PRF-51193; SB740-94-6
Filter, Gas, M12A2	MIL-PRF 14512; SB740-94-6
Filter, Gas, M49	MIL-PRF-EA-F-1705; SB740-94-6
Filter, Gas, M61	MIL-PRF-EA-C-2251; SB740-94-5

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Test:	Test Method(s):
Filter, RFU Element	EA-DTL-1601; SB740-94-4
Filter, RFU Media	QAP 5-19-11422
Filter, Gas, 150 CFM, M23A1	MIL-DTL-51222
Filter, General Purpose, M53	PRF EA-M-10006
Environmental Exposure	
High / Low Temperature Test on Cloth	FED-STD-191, Methods 5872 and 5874
HEPA Filter Testing	
Rough Handling, Aerosol Penetration and Airflow Resistance	
Filter, Gas-Particulate: M48A1	EA-DTL-1284, EA-F-1284; MIL-PRF-32137; SB740-94-6
Filter, Particulate: M98	MIL-PRF-51526; SB740-94-6
Filter, Gas-Particulate: M98 SET	MIL-PRF-51527; SB740-94-6
Filter Canister, Hermetically Sealed: HSFC	EA-F-1326; SB740-94-6
Filter Canister, Gas-Particulate: C2A1	MIL-PRF-51560, Sections 3.6.3/4 and 4.3.6.6/7; SB740-94-5
HEPA Filter Resistance to Airflow	ASME-AG-1; FC-5110/FK-5110
HEPA Filter Test Aerosol Penetration	ASME-AG-1; FC-5120/FK-5120
HEPA Filter Resistance to Rough Handling	ASME-AG-1; FC-5130/FK-5130
HEPA Filter Resistance to Pressure	ASME-AG-1; FC-5140/FK5140
Filter, Particulate, 12 CFM, M13	MIL-DTL-52011; SB740-94-6
Filter, Particulate, 20 CFM, M19	MIL-DTL-51194; SB740-94-6

[1]The conditioning step Irradiation Exposure is performed by a subcontractor and is not included as part of the laboratory's accreditation.

Accredited Laboratory

A2LA has accredited

TEST, RELIABILITY, & EVALUATION BRANCH

Aberdeen Proving Ground, MD

for technical competence in the field of

Mechanical 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 April 2017*).

WITHDRAWN

Presented this 10th day of October 2017.

President and CEO
For the Accreditation Council
Certificate Number 407.01
Valid to April 30, 2019

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