



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

### H.B. Fuller dba Aspen Research

8401 Jefferson Highway  
Maple Grove, MN 55369

Fulfills the requirements of

### ISO/IEC 17025:2017

In the field of

### TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 10 February 2024

Certificate Number: AT-1615



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### H.B. Fuller dba Aspen Research

8401 Jefferson Highway  
Maple Grove, MN 55369

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### TESTING

Valid to: **February 10, 2024**

Certificate Number: **AT-1615**

#### Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
GC-MS Profile	Aspen SOP EL0003	Extractables / Leachables Deionized Water, 9 % Ethanol, 18 % Ethanol or Hexane	GC-MS
HS-GCMS Profile	Aspen SOP EL0004	Solids / Liquids Extractables / Leachables	HS-GC-MS
Viscosity	Aspen SOP G43093	PTFE (Polytetrafluoroethylene) aqueous dispersion	Brookfield LVT Viscometer
Trace Metals	Aspen SOP G48346	Water and 0.9% Saline	ICP-MS
Non-volatile residue	Aspen SOP STM 248	Liquid Extracts	Analytical Balance
Heavy Metals in Cannabis and Hemp products	Aspen SOP STM 249	Cannabis and Hemp products	ICP-MS
Cannabinoids in Cannabis and Hemp products	Aspen SOP STM 252	Cannabis and Hemp products	HPLC-UV
LC-TOFMS Analysis in ESI	STM 254	Liquid Extractables / Leachables	LC-TOFMS

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Preparation of Medical Cannabis Ethanol Extracts	STM 256	cannabis solids, oils, tinctures, liquids	HPLC-UV
Preparation of Dried Raw Cannabis Ethanol Extracts	STM 257	Dried raw cannabis (bud / flower)	HPLC-UV
Preparation of Cannabis Edible Food Product ACN Extracts	STM 258	Edible cannabis food products (gummies)	HPLC-UV
Anions / Week Organic Acids	Aspen SOP EL0001	Anions in Extracts	Ion Chromatography

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1615.



Jason Stine, Vice President

