



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Xcaliber International, Ltd., LLC

4747 N.E. 1st Street

Pryor, OK 74361

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.

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

Jason Stine, Vice President

Expiry Date: 27 September 2026

Certificate Number: AT-3189



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

Xcaliber International, Ltd., LLC

4747 N.E. 1st Street

Pryor, OK 74361

Jesse Phillips j.phillips@xcaliberinternational.com

TESTING

Valid to: **September 27, 2026**

Certificate Number: **AT-3189**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Physical Properties	ISO 2965 ISO 2971 ISO 6565 ISO 9512 Internal procedure: XILAM-01	Cigarettes/Tobacco	Calipers Borgwaldt Sodiline
Tar, Nicotine, CO, Menthol	ISO 10315 ISO 10362-1 ISO 13110 ISO 20773 ISO 20774 CRM 66 CRM 67 HC T-115 HC T-212 Internal procedure: XILAM-02	Cigarette Smoke	GC-FID/TCD
Menthol	CRM 92 Internal procedure: XILAM-03 Internal procedure: XILAM-04	Filter Rods Tobacco Cut Filler	GC-FID
Nicotine	CRM 62 Internal procedure: XILAM-05	Tobacco Cut Filler	GC-FID
Ammonia	ISO 21045 CRM 79 HC T-302 Internal procedure: XILAM-06	Tobacco Cut Filler	IC

Chemical

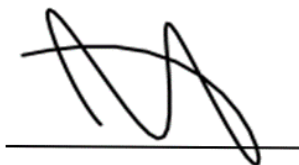
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Ammonia	ISO 23919 ISO 23920 CRM 83 HC T-101 HC T-201 Internal procedure: XILAM-09	Cigarette Smoke	IC
Metals	CRM 93 Internal procedure: XILAM-07	Tobacco Cut Filler	ICP-MS
Ignition Propensity	ISO 12863 ASTM E2187 Internal procedure: XILAM-08	Cigarette FSC Paper	Acrylic Test Apparatus
Carbonyls	ISO 21160 CRM 74 HC T-104 HC T-204 Internal procedure: XILAM-10	Cigarette Smoke	HPLC
pH	HC T-113 Internal Procedure: XILAM-14	Cigarette Smoke	pH Meter

Sampling

Items, Materials or Product Sampled	Component, Parameter or Characteristic Sampled	Specification, Standard, Method, or Sampling Technique
Tobacco Cut Filler	Chemical properties	XILSC-01

Note:

- This scope is formatted as part of a single document including Certificate of Accreditation No. AT-3189.



Jason Stine, Vice President