



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Gem Certification & Assurance Lab

(GCAL USA, LLC)

d.b.a. GCAL by Sarine

**580 Fifth Avenue, 27th Floor
New York, NY 10036**

Fulfills the requirements of

ISO/IEC 17025:2017

and

ANAB NON-FORENSIC TESTING - AR 2250

ANAB FORENSIC TESTING & CALIBRATION - AR 3125:2023

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.

Jason Stine, Vice President

Expiry Date: 18 July 2026

Certificate Number: L2177-1



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
ANAB NON-FORENSIC TESTING - AR 2250
ANAB FORENSIC TESTING & CALIBRATION - AR 3125:2023

Gem Certification & Assurance Lab (GCAL USA, LLC)

d.b.a. GCAL by Sarine

580 Fifth Avenue, 27th Floor
 New York, NY 10036

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TESTING

Valid to: **July 18, 2026**

Certificate Number: **L2177-1**

NON-FORENSIC TESTING

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Gemstone Identification	GCAL Procedure GP-54010	Lab Grown, Treated, or Natural Diamonds and Gemstones	Stereo Microscopes with Digital Bases / Immersion Microscope / Refractometer
UV and Visible Spectroscopy	GCAL Procedure GP-54001 GCAL Procedure GP-54010	Lab Grown, Treated, or Natural Diamonds and Gemstones	UV-Vis-NIR Spectrometer
Shortwave Ultraviolet Light and Video Capture (Analysis of Growth Morphology)	GCAL Procedure GP-54010	Lab Grown, Treated, or Natural Diamonds and Gemstones	Surface Fluorescence Illumination with Shortwave Ultraviolet Light and Magnified Image Capture
FTIR Spectroscopy (Identification of impurities)	GCAL Procedure GP-54010	Lab Grown, Treated, or Natural Diamonds and Gemstones	Fourier-Transform Infrared Spectrophotometer, with LN2 capability

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Raman and Photoluminescence Spectroscopy	GCAL Procedure GP-54010	Lab Grown, Treated, or Natural Diamonds and Gemstones	Photoluminescence and Raman Spectrometer, with LN2 capability
Metal Testing & Analysis	GCAL Procedure GP-54011	Jewelry, Watches, Ornaments, Objects d'Art, Coins, Bullion, Scrap	Energy dispersive X-ray fluorescence (EDXRF)

Mechanical / Physical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Microscopic Clarity Analysis	GCAL Procedure GP-54004 GP-54021	Lab Grown, Treated, or Natural Diamonds and Gemstones	Microscopic Examination of Gemstones Sarine Clarity Instrument
Gemstone Weight (in Carats)	GCAL Procedure GP-54001	Lab Grown, Treated, or Natural Diamonds and Gemstones	Gemstone Scale
Laser Optical Reflective Identification	GCAL Procedure GP-54002	Lab Grown, Treated, or Natural Diamonds and Gemstones	Gemprint Instrument
Color Analysis & Grading	GCAL Procedure GP-54005 GP-54020	Lab Grown, Treated, or Natural Diamonds and Gemstones	Visual Analysis Master Reference Sets Sarine Color Instrument
Fancy Color Diamond Grading & Analysis	GCAL Procedure GP-54012	Lab Grown, Treated, or Natural Diamonds and Gemstones	Visual Analysis
Ultraviolet Fluorescence Analysis	GCAL Procedure GP-54005	Lab Grown, Treated, or Natural Diamonds and Gemstones	Visual Analysis
Optical Scanning Measurements	GCAL Procedure GP-54001	Lab Grown, Treated, or Natural Diamonds and Gemstones	Optical Scanning Measuring Device
Optical Brilliance & Optical Symmetry Light Performance	GCAL Procedure GP-54003	Lab Grown, Treated, or Natural Diamonds and Gemstones	Photographic Computer Analysis of Optical Light Performance
Laser Inscription Diamonds	GCAL Procedure GP-54008	Lab Grown, Treated, or Natural Diamonds and Gemstones	Excimer Laser Inscription (Diamond)

Mechanical / Physical

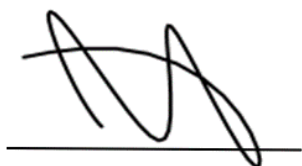
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Micro Photography	GCAL Procedure GP-54003	Lab Grown, Treated, or Natural Diamonds and Gemstones	Shape and Inclusion Imaging

FORENSIC TESTING

Discipline: Materials (Trace)		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Gemstone Metal	Fluorescence Spectroscopy General Microscopy Infrared Spectroscopy Measuring Equipment Raman Spectroscopy Ultraviolet Spectroscopy Visible Spectroscopy Visual X-ray Fluorescence Spectroscopy
Weight Measurement	Gemstone	Scale

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2177-1.
2. When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.



Jason Stine, Vice President