



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Bahrain Institute for Pearls and Gemstones (DANAT) W.L.L

**Shop/Flat No. 401, Building 1, Road 365, Block 316,
Manama Center, Kingdom of Bahrain**

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: 19 October 2025

Certificate Number: AT-3248



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

Bahrain Institute for Pearls and Gemstones (DANAT) W.L.L

Shop/Flat No. 401, Building 1, Road 365, Block 316,
Manama Center, Kingdom of Bahrain

laura.jobson@danat.com

+973 17201333

TESTING

Valid to: **October 19, 2025**

Certificate Number: **AT-3248**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Identification of Pearl Type	MOT_001 Procedure for Pearl Identification	Loose, Strung and Mounted Natural and Cultured Pearls	X-Ray Radiography
Identification of Pearl Environment	MOT_001 Procedure for Pearl Identification	Loose, Strung and Mounted Saltwater and Freshwater Pearls	X-Ray Luminescence
Identification of Gemstone Type	MOT_002 Procedure for Gemstones Identification	Loose, Strung and Mounted Natural and Synthetic Gemstones	10x Loupe/ Microscope Polariscope Dichroscope Spectroscope Chelsea Colour Filter Refractometer Hydrostatic Balance UV Lamp
Determination of Diamond Colour Grade	MOT_004 Procedure for Diamond Colour Grading and Fluorescence Grading by Reference Diamonds	Loose and Mounted Polished Natural Diamonds	Visual Observation (using reference diamonds) 10x Loupe / Microscope Light Box
Determination of Diamond Fluorescence Grade	MOT_004 Procedure for Diamond Colour Grading and Fluorescence Grading by Reference Diamonds	Loose and Mounted Polished Natural Diamonds	Ultra-Violet Light Source (LWUV)

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Determination of Diamond Cut Grade	MOT_006 Procedure for Diamond Cut Grading	Loose Round Brilliant Natural Diamonds	Sarine 10x Loupe / microscope
Determination of Diamond Symmetry Grade	MOT_006 Procedure for Diamond Cut Grading	Loose and Mounted Polished Natural Diamonds	Sarine 10x Loupe / microscope
Determination of Diamond Polish Grade	MOT_006 Procedure for Diamond Cut Grading	Loose and Mounted Polished Natural Diamonds	10x Loupe / microscope
Determination of Diamond Clarity Grade	MOT_005 Procedure for Diamond Clarity Grading	Loose and Mounted Polished Natural Diamonds	10x Loupe / Microscope
Determination of Total Weight	MOT_007 Procedure for Weight and Measurement	Loose, Strung, and Mounted Pearl, Gemstone, Diamond	Weighing Balance
Determination of Carat Weight	MOT_007 Procedure for Weight and Measurement	Mounted Pearl, Gemstone, Diamond	Gauge
Determination of Measurements	MOT_007 Procedure for Weight and Measurement	Loose, Strung, and Mounted Pearl, Gemstone, Diamond	Gauge

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Identification of Diamond Type	MOT_003 Procedure for Diamond Identification	Loose and Mounted Natural and Laboratory-Grown Diamonds	Fourier Transform Infra-Red (FTIR) Spectrometer SYNTHdetect™ Automated Melee Screening 2 (AMS2)



Jason Stine, Vice President