SRI LANKA

ROUGH CORUNDUM SPECIMEN

PREMIUM INTERNATIONAL BUYER REPORT

Existing laboratory documentation • Gamma-spectrum analysis
Independent verification pathway • Outright sale of the entire specimen



1. Executive Summary

A substantial irregular rough mineral specimen reported at 38.5–38.90 kg is presented for confidential preliminary review by qualified international gemstone buyers, specialist rough-stone dealers and mineral collectors. Precious Gem Testing Laboratories (PGTL), report AC231687 dated 9 September 2026, identifies its submitted specimen as corundum, variety natural sapphire, grey with a blue tint. PGTL reports no indications of treatment and describes stability as excellent.

The owner states that a gemologist or expert has observed blue sapphire-bearing material within the large specimen and believes the blue material may exceed 8 kg. The supplied reports do not quantify or independently confirm that amount. This should be treated as an expert observation awaiting verification—not as a certified recoverable sapphire weight.

The seller's stated preference is an outright sale of the entire specimen, subject to physical inspection, independent verification, provenance review, applicable legal and export checks, and mutually agreed transaction terms.

2. Evidence Status at a Glance

Item	Information	Status
Reported specimen weight	38.90 kg in PGTL report; 38.5 kg in Atomic Energy Board report.	Recorded in separate reports; confirm by calibrated re-weighing.
Gem identification	PGTL identifies corundum / natural sapphire; grey with blue tint.	Laboratory statement within PGTL report scope.
Blue sapphire-bearing material	Owner reports expert observation; estimated potentially over 8 kg.	Not quantified in supplied reports; independent mapping required.
Other mineral components	Not fully identified in supplied documents.	Further mineralogical testing required.
Origin	Sri Lanka.	Owner-stated; supporting provenance not reviewed.
Treatment	PGTL reports no indications of treatment.	As stated in PGTL report.
Sale objective	Sell the entire specimen.	Owner instruction.

3. Existing Laboratory Documentation

3.1 Precious Gem Testing Laboratories (PGTL)

Report AC231687, dated 9 September 2026. The report records species as Corundum; variety as Natural Sapphire; colour as Grey with Blue Tint; irregular shape; weight 38.90 kg; rough crown and rough pavilion; no indications of treatment; and stability described as Excellent. The report notes that the weight of the specimen is as indicated by the client.



PRECIOUS
GEM TESTING LABORATORIES

Report No. : AC231687
Date : 09-Sep-2026

RESULT
Species : Corundum
Variety : Natural Sapphire
Colour : Grey with Blue Tint

DESCRIPTION
Shape : Irregular
Weight : 38.90 Kg(s)

CUT
Crown : Rough
Pavilion : Rough

ENHANCEMENT : No indications of treatment
STABILITY : Excellent

Photo(s) does not accurately represent size or colour

COMMENTS
Weight of the specimen as indicated by client.

EQUIPMENT
Immersion Microscope | Trinocular Microscope | Raman Spectrometer
FTIR | UV-Vis Spectrometer | PL Spectrometer

Gemmologist

This document is valuable and important, keep it safely.

Precious Gem Testing Laboratories (Pvt) Ltd
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Email: labpgtl@gmail.com.com | www.pgtlabs.com

Exhibit A — PGTL report page 1, reproduced from the document supplied by the owner.

Interpretation: this is the clearest supplied gem-identification document for the large specimen. It does not quantify internal blue zones or certify that more than 8 kg of recoverable, gem-quality blue sapphire is present.

3.2 Sri Lanka Atomic Energy Board — Gamma Spectroscopic Measurement

Document code SLAEB/RPTSD/RMS/2/2026/14/1; report dated 10 September 2026; testing date 9 September 2026. The report describes a 38.5 kg mineral sample with approximate dimensions of 35 × 31 × 20 cm (oblique) and states that exact mineral identification was not found by this report.

The report is a radiation-characterisation document. It should not be described as a gemstone certificate or a commercial valuation. It explicitly states that it is not to be used in commercial transactions and does not certify authenticity. Obtain clarification from the issuing authority before any proposed commercial use.

GAMMA SPECTROSCOPIC MEASUREMENT REPORT

Radiation Protection & Technical Services Division

Sri Lanka Atomic Energy Board

Doc Code: SLAEB/RPTSD/RMS/2/2026/14/1

Name of the Client: Mr. M.H. Ananda
Address: No. 126/1A, Piriwena Road, 6th Lane, Boralsgamuwa , Sri Lanka.
Test Item: Mineral Sample (38.5 kg).
End User: -
Contact Person: Mr. M.H. Ananda (+94 777771011)
Testing Date: 09.09.2026
Time: 1310 hrs
Report Date: 10.09.2026
Number of Pages: 03 (including the attachment)

The Item

The test item is a 38.5 kg mineral sample. No exact identification is found. Approximate dimensions are 35 × 31 × 20 cm oblique.



Figure 1: Mineral Sample;38.5 kg

Measurements of Radiation Level (Dose Rate)

Table 1: Dose rate levels

Location		Dose Rat at the surface of the sample (μSv/hr)		Background Dose Rate (μSv/hr)
C / D / B / A		A	0.14 ± 0.01	0.10 ± 0.01
		B	0.13 ± 0.01	
		C	0.15 ± 0.01	
		D	0.14 ± 0.01	

Analysis of Radioisotopes and Activity

Identified Radioisotopes and their approximate activities as follows,

Table 2: Results of the radioisotope analysis

Radioisotope	Approximate Activity (Bq/kg)
Potassium (K-40)	336 ± 34
Radium (Ra-226)	58 ± 6
Thorium (Th-232)	16 ± 2

The radiation level (dose rate) of the sample is slightly higher than the background radiation level.
The Gamma Energy Spectrum is in the Attachment 01.

Remark

This report ONLY provides the results of a physical characterization test(s) of the item at the time of testing. The report does not certify any value or proof of the authenticity of the article.

Prasad Mahakumara
Deputy Director
Radiation Protection & Technical Services Division
Sri Lanka Atomic Energy Board
2026.09.10

Exhibit B — Sri Lanka Atomic Energy Board report page 1, including surface dose-rate and radionuclide activity tables.

3.3 Gemo Lab — Separate Loose Stone

Gemological Report GL2413547, dated 19 September 2026, records one loose stone weighing 172.72 carats, irregular and rough, measuring 52.92 × 45.16 × 10.54 mm. It records transparency as transparent to opaque, refractive index 1.760–1.768, specific gravity 3.95–4.06 (reference), hardness 9 (reference), colour milky grey, species natural corundum, variety natural corundum, and no indication of heating.

Important identity limitation: the supplied documents do not establish that the 172.72 ct loose stone is part of, or the same item as, the 38.5–38.9 kg specimen. It is therefore presented as a separate report unless a documented chain of custody establishes a connection.



Gemo Lab

Date: 19th Sep 2026

Gemological Report No. GL2413547

Items	: One Loose Stone
Weight	: 172.72 Ct
Shape	: Irregular
Cut	: Rough
Measurements	: 52.92 x 45.16 x 10.54 mm
Transparency	: Transparent to Opaque
Refractive Index	: 1.760 - 1.768
Specific Gravity	: 3.95- 4.06 (Ref)
Hardness	: 9 (Ref)
Color	: Milky Gray
Species	: Natural Corundum
Variety	: Natural Corundum
Comments	: No indication of heating

Important notice: The information presented by Gemo Lab analysis is the result of testing the items based on the testing equipement and gemological science considered appropriate at the time the items are tested Gemo Lab shall not be liable for any differences which may result from testing of the items by another party. Gemo Lab report is not a warranty, guarantee, appraisal or valuation and makes no representations or warranties regarding any analysis.

A Wasantha K Silva
D-gem (SL) MGA (SL)
Gemologist

No: 52, Galle Road, Colombo 03, Sri Lanka Tel: +94 (0) 112337443 I Hot Line: 0770806689, 0769696328
Email: info@gemolab.lk I www.gemolab.lk

4. Gamma-Spectrum Diagram: Technical Interpretation

The spectrum on page 3 of the Atomic Energy Board report plots detected gamma-ray counts against energy. The labelled peaks are associated in the report with potassium-40 (K-40), radium-226 (Ra-226) and thorium-232 (Th-232). The graph compares the sample/foreground spectrum with a background spectrum and displays acquisition information.

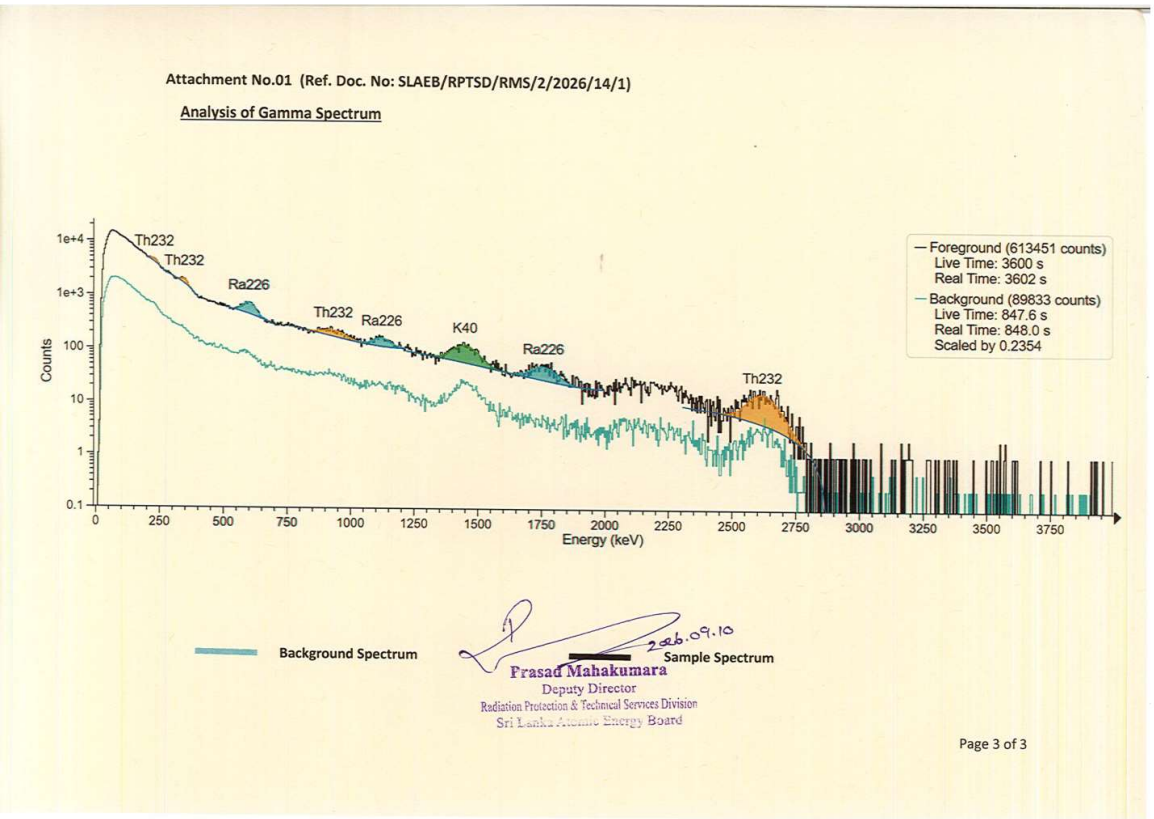


Exhibit D — Original gamma-spectrum diagram from page 3 of the Atomic Energy Board report.

4.1 How to read the graph

- Horizontal axis — Energy (keV): gamma-ray energy. Labels mark energy regions attributed to Th-232, Ra-226 and K-40 in the report.
- Vertical axis — Counts: detected events on a logarithmic scale. Peak height is not a direct measure of sapphire weight, gem quality or monetary value.
- Black foreground/sample trace and teal background trace: comparison helps assess spectral features above background.
- Graph acquisition data: foreground 613,451 counts; live time 3,600 s; real time 3,602 s. Background 89,833 counts; live time 847.6 s; real time 848.0 s; background scaled by 0.2354.

4.2 Reported radiation measurements

Measurement	Reported result	Meaning / limitation
Surface dose rate A	0.14 ± 0.01 µSv/h	One of four measured surface positions.
Surface dose rate B	0.13 ± 0.01 µSv/h	One of four measured surface positions.
Surface dose rate C	0.15 ± 0.01 µSv/h	One of four measured surface positions.
Surface dose rate D	0.14 ± 0.01 µSv/h	One of four measured surface positions.
Background dose rate	0.10 ± 0.01 µSv/h	Reference background stated in report.
Potassium-40 (K-40)	336 ± 34 Bq/kg	Approximate activity reported by laboratory.
Radium-226 (Ra-226)	58 ± 6 Bq/kg	Approximate activity reported by laboratory.
Thorium-232 (Th-232)	16 ± 2 Bq/kg	Approximate activity reported by laboratory.

The report says the dose rate is slightly higher than background and that radioactivity is not uniformly distributed throughout the sample, indicating heterogeneous composition. This finding does not identify the mineral phases responsible for that heterogeneity.

4.3 What the spectrum establishes—and what it does not

Supported by the report: the tested sample showed gamma-spectrum features used to identify K-40, Ra-226 and Th-232, with approximate activities and measured surface dose rates recorded.

Not established by the spectrum: the amount of blue sapphire; gem quality; recoverable yield; geological age; origin; any NASA or extraterrestrial connection; or commercial value.

The report's commercial-use restriction must be respected. Before the spectrum report is included in any external commercial buyer pack, request written clarification from the issuing authority about permitted use. Do not use it to imply rarity or enhanced gemstone value

5. Blue Sapphire-Bearing Material: Verification Required

The owner reports that a gemologist or expert has observed blue sapphire-bearing material within the large specimen and believes it may exceed 8 kg. This claim is not quantified in the supplied laboratory reports. A buyer should be invited to verify it through an agreed independent examination.

Recommended verification protocol

1. Photograph and video all sides of the specimen with a scale reference and a unique specimen ID.
2. Confirm actual gross weight using a calibrated scale and record the measurement.
3. Engage an independent gemmological/mineralogical laboratory to map blue zones and confirm their mineral identity.
4. Estimate the mass and continuity of sapphire-bearing material using a method agreed with the laboratory and buyer.
5. Assess colour, transparency, inclusions, treatment indicators, crystal structure and potential cutting yield where appropriate.
6. Agree in writing on any sampling or destructive testing, including chain of custody and sample return or disposal.

A blue appearance alone does not establish that all blue material is sapphire or gem quality. The mass of a blue zone should not be described as recoverable saleable sapphire until a qualified examination supports that conclusion.

6. Proposed Buyer-Facing Description

LARGE ROUGH NATURAL CORUNDUM / SAPPHIRE SPECIMEN — SRI LANKA

A substantial irregular rough specimen reported at approximately 38.5–38.90 kg, accompanied by a PGTL report identifying the submitted specimen as natural sapphire (corundum), grey with a blue tint, with no indications of treatment reported. The owner states that a gemologist or expert has observed blue sapphire-bearing material within the specimen; the quantity and commercial quality of that material remain subject to independent verification.

The entire specimen is available for outright sale to a qualified buyer, subject to inspection, independent laboratory verification, provenance review and mutually agreed terms. Interested parties may request available documentation and arrange a confidential inspection and agreed independent testing protocol. No guaranteed sapphire yield, grade, valuation or sale price is represented in this preliminary presentation.

7. Suggested Transaction Process

7. Initial qualification: exchange buyer credentials and appropriate evidence of purchasing capacity.
8. Document review: provide copies of existing reports, photographs, provenance records and the stated limitations of each report.
9. Physical inspection: arrange supervised inspection with agreed handling and safety conditions.
10. Independent verification: agree on laboratory, test scope, any sampling, costs and chain of custody.
11. Written offer and closing: negotiate an offer for the entire specimen; complete payment, delivery, legal and export/import checks before transfer.

8. Limitations and Important Disclosures

This document consolidates information from the supplied laboratory reports and owner-provided statements. It is not a new laboratory certificate, appraisal, valuation, guarantee of authenticity or origin, or confirmation of the amount of internal blue sapphire. Findings apply only within the scope of each original report. No multi-million-dollar value is claimed or implied. The Gemo Lab report concerns a separate 172.72 ct loose stone unless a documented chain of custody establishes otherwise. The Atomic Energy Board report expressly restricts commercial use; obtain clarification before any external commercial use.

The most persuasive basis for a high-value transaction is independent verification of the internal blue material, its quality and recoverable yield, supported by provenance documentation and a defensible valuation.

Appendix A — Original Report Pages

The following original report pages are reproduced for reference. Always provide the complete originals to qualified parties when permitted by the issuing laboratories.

PRECIOUS
GEM TESTING LABORATORIES



Photo(s) does not accurately represent size or colour

Report No. : AC231687
Date : 09-Sep-2026

RESULT

Species : Corundum
Variety : Natural Sapphire
Colour : Grey with Blue Tint

DESCRIPTION

Shape : Irregular
Weight : 38.90 Kg(s)

CUT

Crown : Rough
Pavilion : Rough

ENHANCEMENT : No indications of treatment
STABILITY : Excellent

COMMENTS

Weight of the specimen as indicated by client.

EQUIPMENT

Immersion Microscope	Trinocular Microscope	Raman Spectrometer
FTIR	UV-Vis Spectrometer	PL Spectrometer

Gemmologist

This document is valuable and important, keep it safely.

Precious Gem Testing Laboratories (Pvt) Ltd
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Email: labpgtl@gmail.com.com | www.pgtlabs.com

A1. PGTL report AC231687, page 1.

GAMMA SPECTROSCOPIC MEASUREMENT REPORT

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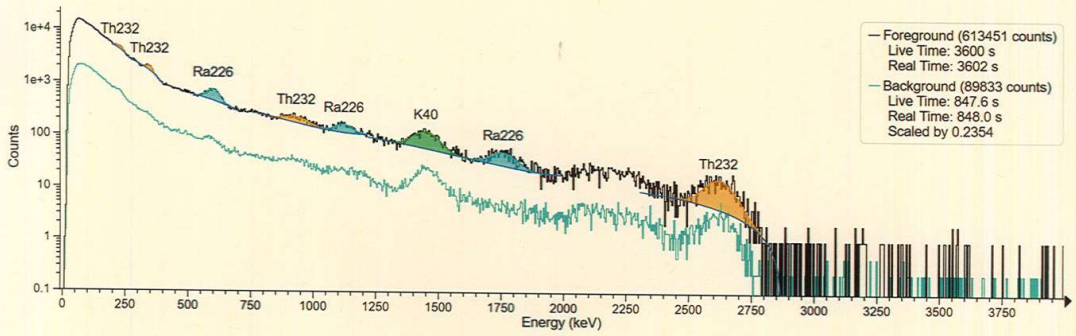
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Prasad Mahakumara
Deputy Director
Radiation Protection & Technical Services Division
Sri Lanka Atomic Energy Board
2026.09.10

A2. Sri Lanka Atomic Energy Board report, page 1.

Attachment No.01 (Ref. Doc. No: SLAEB/RPTSD/RMS/2/2026/14/1)

Analysis of Gamma Spectrum



Background Spectrum

Sample Spectrum

26.09.10

Prasad Mahakumara
Deputy Director
Radiation Protection & Technical Services Division
Sri Lanka Atomic Energy Board

A3. Sri Lanka Atomic Energy Board gamma-spectrum attachment, page 3.