

# United Nuclear

## Certificate of Measured Radiation Certificate of Authenticity

2009

### Trinitite Sample

#### AUTHENTICITY:

The sample contained herein is an authentic sample of a material known as "Trinitite". Trinitite was formed in the fireball area of the first atomic bomb detonation at the Trinity test site in New Mexico. The intense heat of the nuclear fireball melted the desert sand and surrounding material into a semi-fluid mass which eventually cooled and hardened into what is now known as Trinitite.

This sample has been tested for residual nuclear bomb fission products and is certified to be genuine.

#### MEASURED ACTIVITY:

This sample of Trinitite has been accurately measured for combined Beta and Gamma radiation emissions using a Stabilized Assay Meter (Eberline Instrument Corporation model #SAM2) calibrated with 1 microCi of Cs-137 on:

**02 January 2008.**

Emission data is measured at distance zero (direct contact), at the point of highest reading on the sample


#### SAFETY:

This Trinitite sample contains minute amounts of nuclear fission products produced by the Trinity nuclear bomb detonation. These radioactive isotopes have decayed sufficiently to present no danger to health.

Direct contact with this material is not hazardous, but if the sample is crushed, or ground into a powder, ingestion or inhalation of the fission product dust may be hazardous.

Use common sense when handling this material. Wash hands after contact, do not eat or drink while handling, and avoid breathing any dust generated by the sample.

Your Trinitite Specimen  
came from this lot of material

 Images SI Inc.

#### Activity Data

0cm <1,000 CPM

Sample Size: 2 Dram

Sample Type: Fragments

Certified by: Tom Reidel

#### United Nuclear

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