nsi lab solutions
protect more. test more.
7212 ACC Blvd. | Raleigh, NC 27617 | 800.234.7837

Certificate of Analysis

Benzo(a)pyrene in Soil QC

Catalog Number: SCQC-501
Lot Number: NSI-PT260828101
Manufacture Date: 08/28/2026
Expiration: 08/31/2029
Matrix: Soil
Hazards: Carcinogen

Analyte	CAS	Analyte Purity	Gravimetric Concentration (mg/kg)	Acceptance Limits (mg/kg)
Benzo(a)pyrene	50-32-8	100.0%	6.10 ± 0.057	3.66 - 8.55

This certified reference material (CRM) was manufactured and certified by NSI Lab Solutions according to quality procedures meeting our accreditation requirements of ISO 17034:2016and ISO/IEC 17025:2017. Our certificates and scopes of accreditation may be viewed at www.anab.org.

Packaging, Storage, Instructions For Use

This CRM is packaged in a sealed container and must be stored at 2°C to 8°C. To use this CRM, allow it to reach room temperature.

This sample has been designed to be totally used. Do not subsample since intra-sample homogeniety cannot be assured. Transfer the entire contents of the sample vial and rinse the vial with 2 small aliquots of extraction solvent adding rinseates to the extraction vessel. Complete the analysis according to your normal.

Report results in units of mg/kg based on a 10g sample size. No dry weight correction is needed.

Certified concentration is based upon the gravimetric/volumetric true value when prepared according to instructions.

Acceptance limits are based upon USEPA solid and chemical Interlaboratory studies.

Traceability Information

Analyte Source Materials: The highest purity analyte source materials are used in the manufacture of this CRM. The actual purity is referenced above.

Method: This CRM was verified Volumetrically/Gravimetrically

Balance: All analytical balances are calibrated on a semiannual basis by an ISO 17025 accredited calibration laboratory and are traceable to NIST. Traceable Calibration Certificate available upon request.

All balances are checked daily by an in-house standard operating procedure. The weights used for this daily verification are calibrated annually by an ISO 17025 accredited calibration laboratory and are certified traceable to NIST. Certificate of Calibration and Traceability available upon request.

nsi lab solutions
protect more. test more.
7212 ACC Blvd. | Raleigh, NC 27617 | 800.234.7837

Catalog Number: SCQC-501
Lot Number: NSI-PT260828101

Thermometer: All thermometers are NIST traceable through thermometers that are calibrated annually by an ISO 17025 accredited calibration laboratory.

Glassware: All glassware used in the manufacture of our standards is Class A. An in-house standard operating procedure is used to verify all glassware prior to it being placed into service. Volumetric pipetors are calibrated every four months by an ISO 17025 accredited calibration laboratory.

Intended Uses

- Calibration of analytical instruments
- Validation of analytical methods
- Preparation of working level reference materials, i.e. "check standards"
- Detection limit studies

Ken Grzybowski

Ken Grzybowski, Organics Department Manager

Brad Lake

Brad Lake, Lead Chemist