



## National Institute of Standards & Technology

# Certificate of Analysis

## Standard Reference Material 2709

### San Joaquin Soil

### Baseline Trace Element Concentrations

This Standard Reference Material (SRM) is intended primarily for use in the analysis of soils, and materials of a similar matrix. SRM 2709 is an agricultural soil that was oven-dried, sieved, and has a high degree of homogeneity. A unit of SRM 2709 consists of 50 g of the dried material.

The certified elements for SRM 2709 are given in Table 1. The values are based on measurement by a definitive method or two or more independent and reliable analytical methods. Noncertified values of elements are given in Table 2 as additional information on the composition. The noncertified values may be used for calibration or quality control. Analytical methods used for the characterization of SRM 2709 are given in Table 3 along with analysts and cooperating laboratories. All values (except for carbon measurements using a sample weight of at least 250 mg. Carbon measurements are based on 10

#### NOTICE AND WARNINGS TO USERS

**Expiration of Certification:** This certification is valid for 5 years from the date of shipment. If any of the certified values change before the expiration of the certification, purchasers will be notified. Return of the attached registration card will facilitate notification.

**Stability:** This material is considered to be stable; however, its stability has not been rigorously tested. NIST will monitor this material and will report any substantive changes in certification to the purchaser.

**Use:** A minimum sample weight of 250 mg (dry weight - see Instructions for Drying) should be

