



**Homogeneity:** This material was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples were selected using stratified random sampling and analyzed in accordance with internal procedures to evaluate homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

**Certification:** This RM is processed under the scope of accreditation to ISO 17034 by LGC Standards - Manchester, NH. The listed values of this RM are determined by LGC.

**Quality Certifications:** This CRM was prepared under a quality management system that is accredited to the following:

- ISO 17034:2016 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
- ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025:2017 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001:2015 Certified: Quality Management Systems, Registrar: TUV NORD Certificate Registration No. 56 100 19560101

**Instructions for Use:** The powder should be thoroughly mixed and dried at 110°C for 2 hours before analysis. The recommended minimum sample size is 200 mg. This material should be stored tightly capped in a cool dry location when not in use. Minimize exposure to moisture or high humidity.

**Period of Validity:** The certification of this material is valid indefinitely, within the uncertainty specified, provided the material is handled and stored in accordance with the instructions stated on this certificate. The certification is nullified if the material is damaged, contaminated, otherwise modified, or used in a manner for which it was not intended.

**Health and Safety Information:** Refer to the **Safety Data Sheet (SDS)**, which can be obtained at [lgcstandards.com](http://lgcstandards.com)

Chuck Gordon

**Chuck Goudreau, Certifying Officer**

27 June 2023  
**Certification Date**

Revision No: 001  
Revision Date: 18 October 2023



ISO 17034 Accredited: Reference Materials  
Producer, Certificate # 2848.02  
ISO/IEC 17025 Accredited: Chemical  
Testing, Certificate # 2848.01

