

Product No.: 042234

Hexavalent Chromium Standard

Concentration (Cr⁺⁶): 1000 ± 5 µg/mL

Lot No.: 1481512

Matrix: H₂O

Expiry Date: January 31, 2027

This solution is intended for use as a calibration standard for Hexavalent Chromium (Cr⁺⁶). The certified concentration is based upon gravimetric procedures, ie., weight per volume composition of high purity raw material dissolved and diluted with ASTM Type I water. The uncertainty associated with the certified concentration is approximated by summing the estimated errors due to the purity of the starting material, the gravimetric preparation of the solution, and transpiration of the solution through the container wall.

NIST Traceability: All balances and class A volumetrics are calibrated regularly in accordance with NIST recommended procedures. In order to verify the concentration, the final solution was checked by titration against NIST SRM 136f.

Shelf Life: Thermo Fisher Scientific guarantees the accuracy of this Specpure® solution until the expiry date shown above, provided it is kept tightly capped and stored under normal laboratory conditions. We recommend preparing fresh working solutions daily by diluting with the same matrix and using certified class A volumetrics.

8/14/2024

Certification DateOrder our products online thermofisher.com/chemicals

This document has been electronically generated and does not require a signature.

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.