

**Product Type:** Total Organic Carbon Calibration/Verification/Standard Solution

**Catalogue Number:** A-2500-040

## Calibration & Linearity Blank

Lot Number: A-0451701-08  
Certified Value:  $\text{TOC} \leq 0.100\text{mg/L C}$   
Expanded Uncertainty:  $U = \pm 0.009\text{mg/L C}$   
Reference Value:  $0.025\text{mg/L C}$   
Source Material: N/A  
Container: 40mL borosilicate glass vial  
Storage/Refrigeration: Store in original container at  $5 \pm 4^\circ\text{C}$   
Preservative:  $\text{H}_3\text{PO}_4$   
Additional Information: Hazardous - Please refer to SDS SHD 906

Certificate Issue Date: 18 Feb 2017

Expiry Date: 28 Apr 2017

Certifying Officer: Lauren Nutter  
Quality Manager



**Intended Use:** This low level TOC water is intended for use in the calibration and testing of Total Organic Carbon analysers, and is used in the preparation of Altus Science Certified Reference Materials (CRM). This may be used to verify Total Carbon ( $\text{TC} = \text{TIC} + \text{TOC}$ ) or, for analysers that compensate for Inorganic Carbon (IC), this may be used to verify Total Organic Carbon ( $\text{TOC} = \text{TC} - \text{IC}$ ). The expanded uncertainty value ( $U$ ) applies to both certified parameters.

**Method of Preparation:** The certified value was determined gravimetrically. TC Calibration Standards consist of ultrapure, filtered, deionised water with an initial TOC no greater than  $0.100\text{ mg/L C}$  and conductivity no greater than  $0.058\mu\text{S/cm}$  at point of production.

