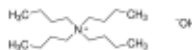


## Certificate of Analysis

Product Name:

Tetrabutylammonium hydroxide solution - 40 wt. % in H<sub>2</sub>O

**Product Number:** 178780  
**Batch Number:** BCCJ8688  
**Brand:** SIAL  
**Formula:** C<sub>16</sub>H<sub>37</sub>NO  
**Formula Weight:** 259,47 g/mol  
**Quality Release Date:** 25 JAN 2023  
**Recommended Retest Date:** JAN 2026



Test	Specification	Result
Appearance (Color)	Colorless to Faint Yellow	Colorless
Appearance (Form)	Liquid	Liquid
Color Test	≤ 150 APHA	16 APHA
Titration with HCl	38 - 43 %	41 %
Refractive index at 20 °C	1.400 - 1.420	1.409
<sup>1</sup> H NMR Spectrum	Conforms to Structure	Conforms

Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

