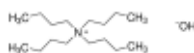


Certificate of Analysis

Product Name:

Tetrabutylammonium hydroxide solution - ~40% in water, suitable for ion chromatography

Product Number: 86854
Batch Number: BCCH1381
Brand: SIAL
Formula: C₁₆H₃₇NO
Formula Weight: 259,47 g/mol
Quality Release Date: 09 FEB 2022
Recommended Retest Date: JUN 2025



Test	Specification	Result
Appearance (Color)	Colorless to Very Faint Yellow	Very Faint Yellow
Appearance (Form)	Liquid	Liquid
Titration with HCl	37.0 - 43.0 %	40.4 %
¹ H NMR Spectrum	Conforms to Structure	Conforms
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Potassium (K)	≤ 100 mg/kg	< 100 mg/kg
Sodium (Na)	≤ 100 mg/kg	< 100 mg/kg
Total Sulfur	≤ 100 mg/kg	< 100 mg/kg
as SO ₄ (ICP)		
Bromide	≤ 100 mg/kg	< 100 mg/kg

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. 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.

