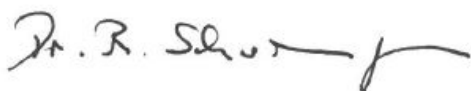


Certificate of Analysis

Product Name: TETRABUTYLAMMONIUM HYDROXIDE 30-HYDRATE
≥ 98.0 % T
Product Number: 86866
Batch Number: BCBX0416
Brand: Sigma-Aldrich
CAS Number: 147741-30-8
Formula: $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_4\text{N}(\text{OH}) \cdot 30\text{H}_2\text{O}$
Formula Weight: 799.93
Storage Temperature: 2-8 C
Quality Release Date: 07 JUN 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS OR WHITE	WHITE
APPEARANCE (FORM)	CRYSTALS OR CRYSTALS WITH CHUNK(S) OR CRYSTALLINE CHUNKS	CRYSTALS
TITRATION (T) HCL 0.1M	98.0 - 102.0 %	100.0 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
BROMIDE (BR)	≤ 1000 MG/KG	< 1000 MG/KG
SULFATE (SO4)	≤ 1000 MG/KG	< 1000 MG/KG



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

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.