

3050 Spruce Street, Saint Louis, MO 63103, USA

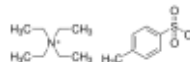
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## Certificate of Analysis

Product Name:

Tetraethylammonium p-toluenesulfonate - 97%

**Product Number:** 134473  
**Batch Number:** MKCF5509  
**Brand:** ALDRICH  
**CAS Number:** 733-44-8  
**MDL Number:** MFCD00011831  
**Formula:** C<sub>15</sub>H<sub>27</sub>NO<sub>3</sub>S  
**Formula Weight:** 301.44 g/mol  
**Quality Release Date:** 15 DEC 2017



Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Conforms to Requirements	Crystals
Crystals, Granules or Solid and/or Chunks		
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	57.6 - 61.9 %	58.1 %
Nitrogen	4.4 - 4.8 %	4.5 %

Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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.