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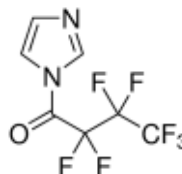
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

N-Heptafluorobutyrylimidazole - 97%

**Product Number:** 556645  
**Batch Number:** SHBK3921  
**Brand:** ALDRICH  
**CAS Number:** 32477-35-3  
**MDL Number:** MFCD00014503  
**Formula:** C7H3F7N2O  
**Formula Weight:** 264.10 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 25 JAN 2019



Test	Specification	Result
Appearance (Color)	Colorless to Yellow to Red	Colorless
Appearance (Form)	Liquid	Liquid
May form a precipitate and may darken on storage-will not affect performance		
Infrared Spectrum	Conforms to Structure	Conforms
<sup>1</sup> H NMR Spectrum	Conforms to Structure	Conforms
GC (area %)	≥ 96.5 %	99.8 %

Michael Grady, Manager  
Quality Control  
Sheboygan Falls, 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.