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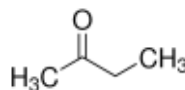
Outside USA: eurtechserv@sial.com

Certificate of Analysis

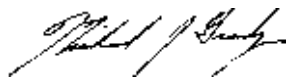
Product Name:

2-Butanone - for HPLC, ≥99.7%

Product Number: 34861
Batch Number: SHBL4678
Brand: SIGALD
CAS Number: 78-93-3
MDL Number: MFCD00011648
Formula: C₄H₈O
Formula Weight: 72.11 g/mol
Quality Release Date: 03 SEP 2019
Expiration Date: FEB 2023



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
UV Absorbance 350nm	≤ 0.01	< 0.01
UV Absorbance 340nm	≤ 0.10	0.06
UV Absorbance 335nm	≤ 0.30	0.20
Purity (GC)	≥ 99.70 %	99.98 %
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %
Residue on Evaporation	≤ 0.001 %	< 0.001 %
Free Acid	≤ 0.001 %	0.001 %
as Acetic Acid		
Expiration Date Period	-----	-----
1260 Days		



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.