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## Certificate of Analysis

Product Name:

2-PENTANONE, CHROMASOLV, FOR HPLC, 99.5%

**Product Number:** 471194  
**Lot Number:** SHBB4438V  
**Brand:** SIAL  
**CAS Number:** 107-87-9  
**MDL Number:** MFCD00009400  
**Formula:** C<sub>5</sub>H<sub>10</sub>O  
**Formula Weight:** 86.13 g/mol  
**Quality Release Date:** 17 AUG 2011

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
UV Absorbance 400nm	≤ 0.005	0.002
UV Absorbance 370nm	≤ 0.005	0.003
UV Absorbance 350nm	≤ 0.01	0.01
UV Absorbance 340nm	≤ 0.10	0.08
UV Absorbance 330nm	≤ 1.0	1.0
Purity (GC)	≥ 99.45 %	99.96 %
Water (by Karl Fischer)	≤ 0.05 %	0.02 %
Residue on Evaporation	≤ 0.0003 %	0.0001 %



Jennifer Baughman, 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](http://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.