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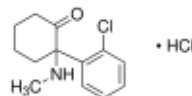
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

(±)-Ketamine hydrochloride - solid

**Product Number:** K2753  
**Batch Number:** SLBL1266V  
**Brand:** SIGMA  
**CAS Number:** 1867-66-9  
**MDL Number:** MFCD00051420  
**Formula:** C<sub>13</sub>H<sub>16</sub>ClNO · HCl  
**Formula Weight:** 274.19 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 22 AUG 2014



Test	Specification	Result
Appearance (Color)	White to Faint Yellow	white
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Very Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL in H <sub>2</sub> O		
Carbon	55.8 - 58.0 %	56.9 %
Nitrogen	4.8 - 5.4 %	5.1 %
Purity (TLC)	≥ 99 %	100 %



Rodney Burbach, Manager  
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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.