

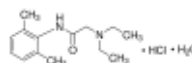
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Lidocaine hydrochloride monohydrate - solid

**Product Number:** L5647  
**CAS Number:** 6108-05-0  
**MDL:** MFCD00150329  
**Formula:** C<sub>14</sub>H<sub>22</sub>N<sub>2</sub>O · HCl · H<sub>2</sub>O  
**Formula Weight:** 288.81 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/ml, H <sub>2</sub> O	
Carbon (anhydrous)	61.2 - 63.0 %
Nitrogen (anhydrous)	10.0 - 10.6 %
Purity (HPLC)	≥ 99 %
Water (by Karl Fischer)	≤ 7 %
<sup>1</sup> H NMR Spectrum	Conforms to Structure

Specification: PRD.1.ZQ5.10000045238

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.