

**SIGMA-ALDRICH**

Sigma-Aldrich Production GmbH  
CH-9471 Buchs/Schweiz  
www.sigma-aldrich.com

Telefon +41 81 755 2511  
Telefax +41 81 755 2272  
Email: fluka@sial.com

**ALDRICH****Certificate of Analysis**

<b>Product Brand</b>	<b>Aldrich</b>
<b>PRODUCT-NO</b>	138045
<b>PRODUCT</b>	L-TYROSINE HYDRAZIDE
	98 %
<b>FORMULA</b>	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>
<b>MOLECULAR MASS</b>	195.22
<b>CAS NUMBER</b>	7662-51-3
<b>LOT</b>	1119260

<b>Test</b>	<b>Specification</b>	<b>Result</b>
APPEARANCE (COLOR)	WHITE TO FAINT TAN	WHITE
APPEARANCE (FORM)	POWDER	POWDER
PURITY (HPLC AREA %)	≥ 97.5 %	99.6 %
SPECIFIC ROTATION (20/D)	72.0 ± 2.0 DEGREES	72.1 DEGREES
CONCENTRATION	C=2 IN 3M HCL	C=2 IN 3M HCL
CARBON CONTENT	54.0 % - 56.8 %	55.39 %
NITROGEN CONTENT	21.0 % - 22.1 %	21.79 %
NMR SPECTRUM 1H	CONFORMS TO STRUCTURE	CONFORMS TO STRUCTURE

<b>DATE OF QC-RELEASE</b>	01/OCT/07
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Dr. G. van Look, Manager  
Quality Control  
Buchs, Switzerland

Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.