

**Analytical Data Sheet**

**Lot number** **1000041310**  
not for drug use

**Product** H-Ile-OH  
**Product number** **4030756.0100**  
**Molecular formula** C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub>  
**Relative molecular mass** 131.18

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (10 mg/mL in 80% acetic acid)
<b>Identification (elemental analysis)</b>	C-Value 54.7% H-Value 9.9% N-Value 10.7%
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +42.5° (1% in 80% acetic acid)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Enantiomer content (GC)</b>	< 0.1% H-D-Ile-OH 0.1% H-allo-Ile-OH < 0.1% H-D-allo-Ile-OH
<b>Other amino acids (GC)</b>	< 0.3%
<b>Assay (elemental analysis)</b>	100.8% (N <sub>Th</sub> 10.68%; N <sub>Fd</sub> 10.77%)
<b>Water content (KF volumetric)</b>	0.1%

Latest update: November 05, 2020

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