

## Analytical Data Sheet

Lot number	1000042174 not for drug use
Catalog number	H-3915.0001
Product	H-Leu-Leu-Leu-OH
Product number	4002312.0001
Molecular formula (net)	C <sub>18</sub> H <sub>35</sub> N <sub>3</sub> O <sub>4</sub>
Molecular mass (average)	357.5

Tests	Results
<b>Components</b>	
<b>Appearance</b>	
Appearance	complies [white to off-white material]
Color	white
<b>Appearance of solution</b>	
Appearance of solution	complies [clear, colorless solution in 80% acetic acid (50 mg/mL)]
<b>Identification (HPLC)</b>	
Main peak	complies [corresponds to the main peak of authentic material with regard to retention time]
<b>Identification (ESI-MS)</b>	
Monoisotopic mass	357.3 u
<b>Purity and related impurities (HPLC)</b>	
Purity	99.8%
Sum of D-isomers	less than LOQ
RRT 2.075	0.06%
RRT 2.410	0.14%
<b>Assay (elemental analysis)</b>	
Assay (EA, as is)	97.7%
<b>Water content (Karl Fischer coulometric)</b>	
Water content	2.6%
<b>Residual organic solvents (GC)</b>	
Acetone	< 12 mg/kg (LOD)
Ethanol	< 18 mg/kg (LOD)

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<b>Tests</b>	<b>Results</b>
Components	
<b>Residual organic solvents (GC)</b>	
Isopropanol	< 13 mg/kg (LOD)
Methanol	< 13 mg/kg (LOD)
tert-Butyl-methyl ether	< 13 mg/kg (LOD)
Toluene	< 8 mg/kg (LOD)
<b>SOL Elemental impurities (ICP-MS)</b>	
Pd	1.1 mg/kg
<b>Acetic acid content (IC)</b>	
Acetic acid content	< 0.19% (reporting limit)

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**SOL** Analysis performed by Solvias AG, Römerpark 2, 4303 Kaiseraugst, Switzerland

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This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

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Date created: December 16, 2020