

## Analytical Data Sheet

Lot number	1000041215 not for drug use
Catalog number	E-2975.0005
Product	H-Trp(Boc)-OH
Product number	4017673.0005
Molecular formula (net)	C <sub>16</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
Molecular mass (average)	304.4

Tests	Results
Components	
<b>Appearance</b>	
Color	white
Physical form	powder
Visible impurities	none
<b>Appearance of solution</b>	
Clarity	clear
Color of solution	colorless
Visible impurities	none
Solvent and concentration	50mg/mL in acetic acid 80%
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies
<b>Specific optical rotation</b>	
[α] <sub>D</sub> <sup>24</sup> (as is)	-6.0 (°)·mL/(dm·g)
Solvent and concentration	1% in acetic acid 80%
<b>Purity (TLC)</b>	
Purity	> 98%
<b>Assay (titration)</b>	
Assay (titration, net)	94.8%
<b>Water content (Karl Fischer volumetric)</b>	
Water content	0.36%

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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: November 06, 2020