

# Analytical Data Sheet

Lot number

**1014142**

not for drug use

<b>Catalog Number</b>	<b>E-1380.0250</b>
<b>Product number</b>	<b>4030374.0250</b>
<b>Product</b>	<b>H- Asn- OH · H<sub>2</sub>O</b>
<b>Molecular formula</b>	<b>C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub> · H<sub>2</sub>O</b>
<b>Relative molecular mass</b>	<b>150.13</b>

Tests	Results
<b>Identification (TLC)</b>	calc. x 1 H <sub>2</sub> O (12%) complies with authentic material
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = + 31.9 ° (5 % in 1 N HCl, water free)
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.5% H-Asp-OH
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Enantiomer content (GC)</b>	0.1% D-Enantiomer
<b>Other amino acids (GC)</b>	< 0.3%
<b>Enantiomer labelling</b>	0.1% H-Asp-OH
<b>Assay (elemental analysis)</b>	100.6% (Nth 18.66%, Nfd 18.76%)
<b>Water content (KF volumetric)</b>	11.7%
Latest update: October 24, 2008	<b>Analytical Data Sheet</b> Lot number <b>1014142</b>