

# Analytical Data Sheet

Lot number

**1016516**

not for drug use

Catalog Number	F-3090.0005
Product number	4020367.0005
Product	Ac- D- Asn- OH
Molecular formula	C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>
Relative molecular mass	174.16

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %, warming)
Melting point	166.2 °C
Specific optical rotation	$[\alpha]_D^{24} = -34.8^\circ$ (1 % AcOH)
Purity (TLC)	> 99%
TLC conditions	Chloroform/methanol/acetic acid 32% 5/3/1 n-Butanol/acetic acid/H <sub>2</sub> O 4/2/2 Chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.9% (Nth 16.08 %, Nfd 16.06 %)
Latest update: October 24, 2008	Analytical Data Sheet Lot number 1016516