

# Analytical Data Sheet

Lot number

**1010096**

not for drug use

<b>Catalog Number</b>	F-3045.0001
<b>Product number</b>	4025043.0001
<b>Product</b>	H- D- Dap- OH · HCl
<b>Molecular formula</b>	C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> · HCl
<b>Relative molecular mass</b>	140.57

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear , colorless solution (50 mg/ml in water)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -25.7^\circ$ (5 % in 1N HCl)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	74.3% (Nth 26.91 %, Nfd 19.99 %)
<b>Water content (KF volumetric)</b>	< 1%  (drifting titration)
<b>Chloride content (IC)</b>	25.3% (AgNO <sub>3</sub> )
Latest update: October 24, 2008	