

# Analytical Data Sheet

Lot number

## 1038704

not for drug use

<b>Catalog Number</b>	F-2370.1000
<b>Product number</b>	4012429.1000
<b>Product</b>	N- Me- cis- Hyp- OH
<b>Molecular formula</b>	C <sub>6</sub> H <sub>11</sub> NO <sub>3</sub>
<b>Relative molecular mass</b>	145.16

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (25 mg/ml in water)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.7 %</td> <td>C = 49.3 %</td> </tr> <tr> <td>H = 7.6 %</td> <td>H = 7.8 %</td> </tr> <tr> <td>N = 9.7 %</td> <td>N = 9.6 %</td> </tr> </table>	Theory	Found	C = 49.7 %	C = 49.3 %	H = 7.6 %	H = 7.8 %	N = 9.7 %	N = 9.6 %
Theory	Found								
C = 49.7 %	C = 49.3 %								
H = 7.6 %	H = 7.8 %								
N = 9.7 %	N = 9.6 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	193 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -71.2^\circ$ (1 % in water)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	99.4 % (Nth 9.65 %, Nfd 9.59 %)								

Latest update: September 14, 2011

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