

# Analytical Data Sheet

Lot number

## 1007047

not for drug use

Catalog Number	C-2020.0025
Product number	4001454.0025
Product	Z- Hyp- OMe
Molecular formula	C <sub>14</sub> H <sub>17</sub> NO <sub>5</sub>
Relative molecular mass	279.29

Tests	Results								
Appearance	clear, dark yellow oil								
Appearance of solution	clear, colorless solution (50 mg/ml in acetone)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 59.9 %</td> <td>C = 59.5 %</td> </tr> <tr> <td>H = 6.2 %</td> <td>H = 6.2 %</td> </tr> <tr> <td>N = 5.0 %</td> <td>N = 5.0 %</td> </tr> </tbody> </table> <p>calc. as 0.08 H<sub>2</sub>O (0.5 %)</p>	Theory	Found	C = 59.9 %	C = 59.5 %	H = 6.2 %	H = 6.2 %	N = 5.0 %	N = 5.0 %
Theory	Found								
C = 59.9 %	C = 59.5 %								
H = 6.2 %	H = 6.2 %								
N = 5.0 %	N = 5.0 %								
Identification (TLC)	conforms with reference material								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol 9/1 chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.1% Z-D-trans-Hyp-OMe < 0.1% Z-L-cis-Hyp-OMe < 0.1% Z-D-cis-Hyp-OMe > 99.7% Z-L-trans-Hyp-OMe								
Assay (elemental analysis)	98.8% (Cth 60.21 %, Cfd 59.47 %)								
Water content (KF volumetric)	0.2%								

Latest update: October 24, 2008

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