

## Analytical Data Sheet

Lot number **1073745**  
not for drug use

Catalog number **G-1310.0001**  
Product number **4001328.0001**  
Product **Pyr- Val- OH**  
Molecular formula  $C_{10}H_{16}N_2O_4$   
Relative molecular mass 228.25

Tests	Results								
Appearance	white product								
Appearance of solution	clear, colorless solution (10 mg/ml in water)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 52.62 %</td><td>C = 52.23 %</td></tr><tr><td>H = 7.07 %</td><td>H = 6.92 %</td></tr><tr><td>N = 12.27 %</td><td>N = 12.09 %</td></tr></tbody></table>	Theory	Found	C = 52.62 %	C = 52.23 %	H = 7.07 %	H = 6.92 %	N = 12.27 %	N = 12.09 %
Theory	Found								
C = 52.62 %	C = 52.23 %								
H = 7.07 %	H = 6.92 %								
N = 12.27 %	N = 12.09 %								
Identification (TLC)	complies with authentic material								
Melting point	172 °C								
Specific optical rotation	$[\alpha]_D^{24} = -31.6^\circ$ (acetic acid 95 %)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 15/4/1 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								

Latest update: October 23, 2017

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