

## Analytical Data Sheet

Lot number **1061917**  
not for drug use

Catalog number **C-2595.0100**  
Product number **4002344.0100**  
Product **Z- DL- Ser- OH**  
Molecular formula **C<sub>11</sub>H<sub>13</sub>NO<sub>5</sub>**  
Relative molecular mass **239.23**

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 55.23 %</td> <td>C = 55.17 %</td> </tr> <tr> <td>H = 5.48 %</td> <td>H = 5.58 %</td> </tr> <tr> <td>N = 5.85 %</td> <td>N = 5.78 %</td> </tr> </tbody> </table>	Theory	Found	C = 55.23 %	C = 55.17 %	H = 5.48 %	H = 5.58 %	N = 5.85 %	N = 5.78 %
Theory	Found								
C = 55.23 %	C = 55.17 %								
H = 5.48 %	H = 5.58 %								
N = 5.85 %	N = 5.78 %								
Identification (TLC)	conforms with authentic material								
Melting point	127 °C								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9% (Cth 55.23 %, Cfd 55.17 %)								
Water content (KF volumetric)	< 0.1%								

Latest update: September 28, 2015

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