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Product Specifications

Catalogue Number 05838

Product **Ala-Ser-OH**

L-Alanyl-L-serine

CAS Number 3303-41-1

Molecular Formula C₆H₁₂N₂O₄

Molecular Weight 176.17

Appearance Off-white to light redish powder

Solubility Clear colorless solution (50 mg/mL in AcOH 80%)

Elemental Analysis (Found) C = 40.78 ± 0.4%, H = 6.8 ± 0.4%, N = 15.85 ± 0.4%
Calcd. as 0.03 Water (0.31%)

Water Content (Karl Fisher) ≤ 0.5%

TLC System Chloroform/Methanol/Acetic acid/Water (60:45:14:6)
n-Butanol/Acetic acid/Water (4:2:2)
n-Butanol/Acetic acid/Water/Pyridine (30:6:24:20)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, TMB

Optical Rotation [α]_D²⁴ = +11 ± 2° (C=2 in H₂O)

Purity by TLC ≥ 99%

Storage Store at 0-8 °C

For Laboratory Use Only