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Product Specifications

Catalogue Number 07068

Product **DL-Isoserine**

DL-IsoSer-OH

(R,S)-3-Amino-2-hydroxypropionic acid

CAS Number 565-71-9

Molecular Formula C₃H₇NO₃

Molecular Weight 105.09

Appearance White powder

Solubility Clear, colorless solution (10 mg/mL in water)

**Water Content (Karl
Fisher)** ≤ 0.5%

TLC System Isopropanol/Ammonia conc. (1:1)
n-Butanol/Acetic acid/Water (4:2:2)
Isopropanol/Ammonia conc. (1:1)
Methanol/Chloroform/Ammonia 17% (2:2:1)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, TMB

Other Amino Acids ≤ 0.3%

Assay ≥ 99% (Elemental analysis)

Purity by TLC ≥ 99%

Storage Store at 0-8 °C

For Laboratory Use Only