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Certificate of Analysis

Catalogue Number 06001
Lot Number 000127-0121442
Product ***O*-Acetyl-D-serine hydrochloride**

D-Ser(Ac)-OH•HCl

CAS Number 201212-79-5 (net)
Molecular Formula C₅H₉NO₄•HCl

Molecular Weight 183.64

Appearance White powder
Solubility Clear and colorless solution (50mg/mL in 80% Acetic acid)
Melting Point 158 °C
Elemental Analysis (Theory) C = 40.8%; H = 6.2%; N = 9.5%
Elemental Analysis (Found) C=40.4%, H=6.2%, N=9.6%
Water Content (Karl Fisher) < 0.5%
TLC System Chloroform/Methanol/Acetic acid 32% (5:3:1)
Butanol/Acetic acid/H₂O (4:2:2)
Plate: silicagel 60 F₂₅₄
Detected by: Ninhydrin, TMB
Optical Rotation [α]_D²⁴ = -17.3 (C=2 in 0.1N HCl)
Related Substances < 2% H-D-Ser-OH (TLC)
Purity by TLC > 98%
Storage Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager