Chem-Impex International, Inc.

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935 Dillon Drive

Wood Dale, IL 60191

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 05838

Lot Number 000127-1058696

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 C = 40.35%, H = 6.97%, N = 15.88%

(**Found**) Calcd. as 0.03 Water (0.31%)

Water Content (Karl 0.3%

Fisher)

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 [a]_D²⁴ = +10.9° (C=2 in H₂O)

Purity by TLC > 99%

Storage Store at 0-8 °C

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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