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Certificate of Analysis

Catalogue Number

06223

Product

β -Ala- β -Ala-OH

Lot Number

000127-1029202

3-(3-Amino-propionylamino)propionic acid

β -Alanyl- β -alanine

CAS Number

2140-53-6

Molecular Formula

C₆H₁₂N₂O₃

Molecular Weight

160.17

Appearance

White powder

Solubility

Clear colorless solution (50mg/mL in 80% Acetic acid)

**Elemental Analysis
(Theory)**

C = 45.0%; H = 7.6%; N = 17.5%

**Elemental Analysis
(Found)**

C = 45.1%; H = 7.8%; N = 17.6%

TLC System

n-Butanol/Acetic acid/Water (4:2:2)

Ethyl acetate/Pyridine/Acetic acid/H₂O(60:60:12:36)

Isopropanol/Ammonia Conc. (1:1)

Plate: Silica gel 60 F₂₅₄

Detected by UV, Ninhydrin, chlorine-tolidine

Purity by TLC

> 99%

Storage

Store at 0-8°C

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Lot Number: 000127-1029202

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager