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Certificate of Analysis

Catalogue Number	14933
Product	<i>O</i>-tert-Butyl-D-allo-threonine
Lot Number	000127-1023468 D-allo-Thr(tBu)-OH
CAS Number	119323-52-3
Molecular Weight	175.23
Appearance	White powder
Solubility	Clear colorless solution (50 mg/ml in MeOH)
Elemental Analysis (Theory)	C = 52.93%; H = 9.83%; N = 7.72% (Calc. as 0.35 H ₂ O, 3.5%)
Elemental Analysis (Found)	C = 52.92%; H = 9.54%; N = 7.69%; calculated as 0.35 H ₂ O (3.5%)
Water Content (Karl Fisher)	2.3%
TLC System	n-Butanol/Acetic acid/Water (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Ethyl acetate/Pyridine/Acetic acid/H ₂ O(60:20:6:11) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Purity	96.5% Elemental analysis (Cth 54.84%, Cfd 52.92%)
Purity by TLC	> 99%
Storage	Store at 0-8 °C
Additional Information	> 99.7% D-allo-Thr < 0.1% L-allo-Thr < 0.1% D-Thr < 0.1% L-Thr

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Lot Number: 000127-1023468

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