

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	06999
Lot Number	000127-0516617
Product	<i>N</i>^α-Acetyl-5-methyl-DL-tryptophan Ac-DL-Trp(5-Me)-OH DL- <i>N</i> -Acetyl-2-amino-3-(5-methylindolyl)propionic acid
CAS Number	71953-90-7
Molecular Formula	C ₁₄ H ₁₆ N ₂ O ₃
Molecular Weight	260.32

Appearance	Off-white product
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Melting Point	168 °C
Elemental Analysis (Theory)	C = 64.16%; H = 6.23%; N = 10.69% Calc. as 0.1 H ₂ O (0.7%)
Elemental Analysis (Found)	C = 64.48%; H = 6.05%; N = 10.68%
Water Content (Karl Fisher)	0.9%
TLC System	Chloroform/MeOH/Acetic Acid 32% (5:3:1) Ethylacetate/Pyridine/Acetic Acid/H ₂ O (60/20/6/11) Chloroform/Methanol/Acetic Acid (98-100%)/H ₂ O (45/13/1/2) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
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

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

Bala Kumar
Quality Control Manager