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Certificate of Analysis

Catalogue Number 06255
Lot Number 000127-1028506
Product **L-Tyrosine benzyl ester**

L-Tyr-OBzl

CAS Number 42406-77-9
Molecular Formula C₁₆H₁₇NO₃

Molecular Weight 271.3

Appearance White powder
Solubility Clear colorless solution (50 mg/ml in Acetic acid 80%)
Melting Point 121 °C
Elemental Analysis (Theory) C = 70.8%; H = 6.3%; N = 5.2%
Elemental Analysis (Found) C = 70.7%; H = 6.3%; N = 5.15%
TLC System Chloroform/Methanol/Acetic acid 32% (5:3:1)
Chloroform/Methanol/Toluene/H₂O (8:8:8:1)
Ethyl acetate/Pyridine/Acetic acid/H₂O (60:20:6:11)
Plate: silicagel 60 F254
Detected by: UV, ninhydrin, TMB
Optical Rotation [α]_D²⁴ = -13.8° (C=1 in methanol)
Assay 99.8% (elemental analysis: C_{th} 70.83%, C_{fd} 70.70%)
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