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Product Specifications

Catalogue Number 08467

Product **DL-tryptophan amide hydrochloride**

DL-Trp-NH₂•HCl

CAS Number 67607-61-8

Molecular Formula C₁₁H₁₃N₃O•HCl

Molecular Weight 239.7

Appearance White powder

Appearance of Solution Clear light yellowish solution (50mg/mL in Methanol)

Elemental Analysis (Theory) C = 55.1%; H = 5.9%; N = 17.5%

Elemental Analysis (Found) C = 54.7 ± 0.5%; H = 5.9 ± 0.5%; N = 17.4 ± 0.5% Calc.
As 1 MW HCl (14.8% Cl-)

Anion Chloride (Cl⁻) = > 14% (Titration)

TLC System n-Butanol/Acetic acid/H₂O (4:2:2) Chloroform/MeOH/Acetic Acid
32% (5:3:1)

Ethylacetate/Pyridine/Acetic Acid/H₂O (60/30/9/16.5)

Plate: silicagel 60 F₂₅₄

Detected by: UV, ninhydrin, chlorine-toluidine

Purity by TLC ≥ 99%

Storage Store at 0-8°C

For Laboratory Use Only