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Product Specifications

Catalogue Number	08499
Product	<i>N</i>^δ-Isopropyl-L-glutamine L-Gln(isopropyl)-OH
CAS Number	4311-12-0
Molecular Formula	C ₈ H ₁₆ N ₂ O ₃
Molecular Weight	188.23

Appearance	White product
Solubility	Clear, colorless solution (50 mg/ml in 80% acetic acid)
Melting Point	227-231 °C
Elemental Analysis (Theory)	C=51.05%; H=8.57%; N=14.88%
TLC System	n-butanol/acetic acid/H ₂ O: 4/2/2 Chloroform/methanol/acetic acid 32%: 5/3/1 Chloroform/methanol/acetic acid/H ₂ O: 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: ninhydrin, chlorine-tolidine
Related Substances	≤ 0.2% Z-Gln(Isopropyl)-OBzl
Assay by titration	≥ 100% (TBAH)
Purity by TLC	≥ 99.0%
Storage	Store at 0-8 °C

For Laboratory Use Only