



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

| | |
|---|---|
| Catalog Number | 04-1535 |
| Product Name | Z-Gln-OMe Z-L-glutamine methyl ester |
| Lot Number | 1010730 |
| CAS Registry Number | 2650-67-1 |
| Molecular Formula | C ₁₄ H ₁₈ N ₂ O ₅ |
| Molecular Weight | 294.31 |
| Appearance | White powder |
| Solubility | 50 mg/ml in methanol |
| Melting point | 140 °C |
| Identification (TLC) | Complies with authentic material |
| Optical Rotation | $\alpha_D^{24} = -21.5^\circ$ (1% in methanol) |
| Assay by TLC | > 99% |
| Benzene/dioxane/acetic acid 95/25/4 | Detected by: UV, Chlorine-Tolidine |
| Chloroform/methanol/benzene/H₂O | |
| 8/8/8/1 | |
| Chloroform/methanol/acetic acid | |
| 90/8/2 | |
| Plate: Silicagel 60 F₂₅₄ | |
| Storage | Store at -0°C |