



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-346
Product Name	Z-DL-Asp-OH Z-DL-aspartic acid
Lot Number	06459-060905-D
Molecular Formula	C ₁₂ H ₁₃ NO ₆
Molecular Weight	267.2
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in MeOH)
Melting Point	104.7-110.5 °C
Purity (TLC)	99% min
Purity (HPLC)	99.38%
Water content	0.15%
Storage	Store at 0-5°C

HPLC Conditions

Column	Beckman Ultrasphere 5 µm, 250x4.6 mm, 150 Å
Guard Column	Supel Guard LC-18-DB, 2 cm
Retention Time, min	18.60
Sample preparation	5 mg/1 ml 50% Acetonitrile/Water
Injection volume, µl	5
Method /Detection at, nm	Gradient
	30-80% B
	A = 99.9% Water, 0.1% TFA
	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min

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