



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-215
Product	Ala-Lys-OH•HCl
Lot Number	0561941 L-Alanyl-L-lysine hydrochloride
CAS Number	68973-27-3
Molecular Formula	$C_9H_{19}N_3O_3 \cdot HCl$
Molecular Weight	253.73
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Appearance	White to off-white powder
Appearance of Solution	Clear colorless solution (50mg/mL in water)
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) MeOH/Chloroform/Ammonia 17% (2:2:1) Isopropanol/Ammonia Conc. (1:1) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay	84.6% (Elemental analysis, Nth 19.34%, Nfd 16.37%)
Assay by titration	Chloride content: 14.0% (AgNO ₃)
Purity by TLC	> 99%
Storage	Store at 0-8 °C