

Analytical Data Sheet

Lot number

1020894

not for drug use

Catalog Number	F-4070.0005
Product number	4036371.0005
Product	Ac- DL- Asp- OH
Molecular formula	C ₆ H ₉ NO ₅
Relative molecular mass	175.14

Tests	Results
Appearance	White powder
Appearance of solution	clear, colorless solution (25 mg/ml in water)
Identification (TLC)	Complies with authentic material
Melting point	130.2 °C
Purity (TLC)	≥ 99%
TLC conditions	n-Butanol/acetic acid/H ₂ O 4/2/2 Chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 Chloroform/methanol/acetic acid 32% 5/3/1 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.6% (Cth 41.15 %, Cfd 39.74 %)
Water content (KF volumetric)	1.9%
Latest update: December 03, 2008	

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