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## Certificate of Analysis

**Product Description:** L-Aspartyl-L-Phenylalanine Methyl Ester\_**Catalog Number:** 190007\_**Lot:** 4556B\_**Formula:**  $C_{14}H_{18}N_2O_5$ **CAS #:** 22839-47-0**Physical Description:** White Powder**Formula Weight:** 294.3**Storage:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	>98%	99.7%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	240-255°C	247-249°C
Optical Rotation	+12.5 to +17.5° (4%, 15N Formic Acid)	+15.4°
Residue on Ignition	≤ 0.2%	< 0.1%
Heavy Metal	≤ 10 ppm	< 10 ppm
Arsenic	≤ 3 ppm	< 3 ppm
Loss On Drying	≤ 4.5%	2.4%

Approved - 09/27/99 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)

