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Certificate of Analysis

Product Description: L-Aspartyl-L-phenylalanine Methyl Ester_**Catalog Number:** 190007_**Lot:** 9606F_**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%	99.4%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	240 - 255°C	244.3 - 244.9°C
Optical Rotation	+12.5 to +17.5° (4%, 15 N Formic Acid)	+15.4°
Residue on Ignition	≤0.2%	<0.20%
Heavy Metal	≤10 ppm	<10 ppm
Arsenic	≤3 ppm	<3 ppm
Loss On Drying	≤4.5%	2.8%

pH: 5.2**Other Optical Isomers:** <0.04%
08/27/2003 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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