



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: D-Tryptophan
Catalog Number: 103144
Lot: 2394J

Formula: C₁₁H₁₂N₂O₂
CAS #: 153-94-6
Physical Description: White powder

Formula Weight: 204.23
Storage: Room Temperature, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.5%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	275 - 285°C	Passes
Optical Rotation (c=1, water)	+33 ± 5°	+31.2°

Arsenic: 2 ppm maximum
Chloride: 0.1% maximum
Heavy Metals: <10 ppm
Loss on Drying: 0.12%
Other Amino Acids: 0.30% maximum
Residue on Ignition: 0.08%

06/07/2006 - Robert Beattie
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document
<mailto:biotech@mpbio.com>
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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)

