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Certificate of Analysis

Product Description: D-Tryptophan
Catalog Number: 103144
Lot: SR03353**Formula:** C₁₁H₁₂N₂O₂
CAS #: 153-94-6
Physical Description: Off-white Powder**Formula Weight:** 204.23
Storage: 15 - 30°C, 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	275.0 - 275.6°C
Optical Rotation (c=1, water)	+33 ± 5°	+29.6°

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%
Recommended Retest Date (MM/DD/YYYY): 10/20/2023



10/23/2020 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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