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Certificate of Analysis

Product Description: D-Ornithine Hydrochloride
Catalog Number: 102514
Lot: SR03971**Formula:** C₅H₁₂N₂O₂·HCl
CAS #: 16682-12-5
Physical Description: White Powder**Formula Weight:** 168.62
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~99%	100%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	235 - 245°C	235.4 - 235.7°C
Optical Rotation (C=4, 6N HCl)	Report Result	-23.8°

Solubility in Water: Clear, colorless
Loss on Drying: 0.03%
Residue on Ignition (as Sulfate): 0.01%
Sulfate (SO₄): <0.03%
Heavy Metals: <10 ppm
Iron (Fe): <10 ppm
Ammonium (NH₄): <0.02%
Arsenic (As): <1ppm
L-isomer: <0.5%
Recommended Retest Date (MM/DD/YYYY): 09/29/2023



03/30/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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