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Certificate of Analysis

Product Description: Adenine Hydrochloride
Catalog Number: 100191
Lot: SR04792**Formula:** $C_5H_5N_5 \cdot HCl$
CAS #: 6055-72-7
Physical Description: White Crystalline Powder**Formula Weight:** 171.6
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.9% (HPLC)
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: λ max (0.1N HCl)	261 - 263 nm	262.8 nm
OD250/OD260	0.75 - 0.85	0.76
OD280/OD260	0.25 - 0.35	0.35
OD290/OD260	0.025 - 0.035	0.026
Heavy Metals	≤ 10 ppm	≤ 10 ppm
Sulfated Ash	≤ 0.1%	0.06%

Loss on Drying: 5.0%

Assay (UV): 100.3%

Recommended Retest Date (MM/DD/YYYY): 11/04/2023

11/05/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control ManagerThis is an electronically generated document
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