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Certificate of Analysis

Product Description: 2'-Deoxyadenosine Monohydrate
Catalog Number: 101481
Lot: QR12652

Formula: C₁₀H₁₃N₅O₃·H₂O
CAS #: 16373-93-6
Physical Description: White Powder

Formula Weight: 269.2
Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.9%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	186 - 196°C	189°C
UV/Vis: λ max (water)	259 ± 2 nm	259.6 nm
OD250/OD260	0.70 - 0.85	0.80
OD280/OD260	0.10 - 0.16	0.12

Thin Layer Chromatography on Eastman Chromatogram Sheets
Solvent System: Isobutyric Acid: Ammonia: Water: : 66:1:33;pH3.7
Principal Rf: 0.84
Trace Rf: None
Recommended Retest Date: 08/21/2018



08/25/2016 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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