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Certificate of Analysis

Product Description: p-Nitrophenylphosphate Di(tris) Salt
Catalog Number: 151766
Lot: S7368**Formula:** $C_{14}H_{28}N_3O_{12}P$ **CAS #:** 68189-42-4**Physical Description:** White to Off-White Powder**Formula Weight:** 461.37**Storage:** 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Melting Point	154 - 169°C	155.2 - 156.1°C
FTIR	Conforms to Standard	Conforms to Standard
UV/Vis: λ max (water)	219 - 223, 307 - 311 nm	222.71nm, 310.85nm

Water Content (KF): 0.45%

Phosphates: 0.03%

p-Nitrophenol Content: 41 ppm

Purity (HPLC): 99.87%

Recommended Retest Date (MM/DD/YYYY): 10/20/2026

A handwritten signature in black ink, appearing to read 'J Huang'.

10/21/2021 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)