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Certificate of Analysis

Product Description: Dexamethasone 21-Phosphate Disodium Salt
Catalog Number: 157565
Lot: Q1483**Formula:** $C_{22}H_{28}FO_8Na_2P$ **CAS #:** 2392-39-4**Physical Description:** White Powder**Formula Weight:** 516.4**Storage:** +4°C

Test	Specification	Result
Purity	>97%	99.5%
Identity Test A	Passes	Passes
Identity Test B	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
pH (1% aq soln)	7.5 - 10.5	8.3
Specific Rotation (c=10, water)	+74° to +82°	+79°
Free Dexamethasone	≤1.0%	≤1.0%
Phosphate	≤1.0%	≤1.0%
Water and Alcohol Content	≤16.0%	4.3% (water) 0.0058% (alcohol)

Chromatographic purity:

- Total impurities: ≤2.0%

- Any impurity: ≤1.0%

Residual solvents:

- Methanol: 14 ppm

Recommended retest date: 08/15/2019

A handwritten signature in black ink that reads 'Christina Marotta'. The signature is written in a cursive, flowing style.

01/21/2015 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document

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