



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Hydrocortisone, cell culture reagent

Catalog Number: 194569

Lot: QR12250

Formula: C₂₁H₃₀O₅

CAS #: 50-23-7

Physical Description: White Powder

Formula Weight: 362.47

Storage: Room Temperature, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥97%	100.5% (UV Absorption. Ph. Eur) 100.1% (HPLC, USP)
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	205-222°C	214.7-216.2°C
Loss on Drying	≤1%	0.05% (Ph. Eur) 0.04% (USP)
UV/VIS: □ max	241 ± 3 nm (methanol)	243.0 nm (Methanol)
Optical Rotation (c=1, methanol)	+160 ± 10°	+152.7°

Identification A & B (Ph Eur): Pass

Identification A & B (USP): Pass

Residue on Ignition (USP): 0.15%

Related Substances (Ph Eur):

- Any Individual Impurity: 0.16%

- Sum of Impurities: 1.12%

Chromatographic Purity (USP):

- Any Individual Impurity: 0.25%

- Sum of Impurities: 1.06%

Residual Solvent:

- Ethanol: 388 ppm

- Methanol: Not Detected

- Methylene Chloride: Not Detected
- Chloroform: Not Detected
Particle Size: 90% not more than 15 microns
Recommended Retest Date: 03/12/2019

05/18/2016 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

A large, handwritten signature in black ink that reads "J Huang". The signature is written in a cursive style with a long, sweeping tail on the letter "g".

This is an electronically generated document
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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
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