

MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: Pancuronium Bromide
Catalog Number: 156053
Lot: Q5769**Formula:** $C_{35}H_{60}N_2O_4Br_2$ **CAS #:** 15500-66-0**Physical Description:** Light Peach Powder**Formula Weight:** 732.7**Storage:** 15 - 30°C, desiccate, protect from light

Test	Specification	Result
Identity Test	Passes	Passes

Infrared spectrum: Corresponds RS

Melting Point: 227.9 - 229.8°C

Specific Rotation +40.1°

Water: 3.8%

Sulphated Ash 0.06%

Assay: 99.0%

Individual known impurities (A, D): ≤1.0%

Individual unknown impurities: ≤ 0.1%

Acetone: 2800 ppm

Ethyl ether: 3900 ppm

Gives reaction to bromides: Confirms

2-Propanol: 1500 ppm

Methylene chloride: 450 ppm

TBME: 1600 ppm

Endotoxin: ≤10 EU/mg

Recommended Retest Date: 07/22/2018

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

01/27/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

This is an electronically generated document

<mailto:biotech@mpbio.com><http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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