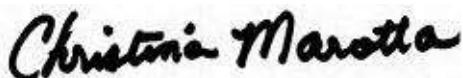


MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: Tolnaftate
Catalog Number: 156934
Lot: M5372**Formula:** C₁₉H₁₇NOS
CAS #: 2398-96-1
Physical Description: White Powder**Formula Weight:** 307.42
Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	108 - 115°C	110 - 112° C

Assay: 99.8%
Loss on Drying: 0.1%
Residue on Ignition: 0.1%
Heavy Metals: ≤20 ppm11/12/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical DirectorThis 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)