



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Oxalic Acid Dihydrate, ACS_
Catalog Number: 152552_
Lot: 5379H_

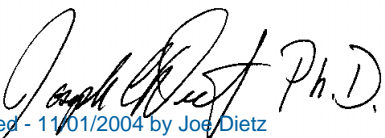
Formula: $C_2H_2O_4 \cdot 2H_2O$
CAS #: 6153-56-6
Physical Description: white crystals

Formula Weight: 129.07
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Assay	$\geq 99.5\%$	100.12%
Insoluble Matter	$\leq 0.005\%$	$< 0.005\%$
Residue after Ignition	$\leq 0.01\%$	$< 0.01\%$
Chloride	$\leq 0.002\%$	$< 0.0005\%$
Sulfate	$\leq 0.005\%$	$< 0.005\%$
Calcium	$\leq 0.001\%$	$< 0.001\%$
Nitrogen Compounds (as N)	$\leq 0.001\%$	$< 0.001\%$
Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron	≤ 2 ppm	< 2 ppm
Substances darkened by hot Sulfuric Acid	Passes	Passes

Ag < 2 ppm
Al < 2 ppm
Au < 2 ppm
B < 15 ppm
Ba < 2 ppm
Bi < 5 ppm

Cd <2 ppm
Co <2 ppm
Cr <2 ppm
Cu <5 ppm
Ga <2 ppm
Ge <2 ppm
In <2 ppm
K <50 ppm
Mg <10 ppm
Mn <2 ppm
Mo <2 ppm
Na <50 ppm
Ni <5 ppm
Pb <5 ppm
Sb <2 ppm
Si <5 ppm
Sr <2 ppm
Ti <2 ppm
Tl <2 ppm
V <2 ppm
Zn <2 ppm
Zr <2 ppm


Approved - 11/01/2004 by Joe Dietz
MP Biomedicals, LLC.

Technical Director

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)