



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Oxalic Acid Dihydrate, ACS_
Catalog Number: 152552_
Lot: MR31754_

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 Test	Passes Test

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

FTIR: Conforms fo standard

Christina Marotta

08/14/2014 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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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)