



Mad Oils, Inc. d/b/a Mad Micas
430 S. Congress Ave., #2
Delray Beach, FL 33445
madmicas.com

CERTIFICATE OF ANALYSIS

Representative Sample Test Results

Identification

Product identifier: Mad Micas The Guilty Grape
Other name: Purple mica powder
Supplier: Mad Oils, Inc. d/b/a Mad Micas
430 S. Congress Ave., #2
Delray Beach, FL 33445
+1-561-845-0050
Recommended use: Colorant

Chemical Analysis

Ingredient	CAS #	Specs	Results
Mica	12001-26-2	69-73%	70.8%
Titanium dioxide	13463-67-7	26-30%	27.7%
Tin dioxide	18202-10-5	0-1%	0.4%
Iron oxide	1309-37-1	0-1%	0.5%
Manganese violet	10101-66-3	0-1%	0.6%

General Analysis

Characteristic	Specs	Results	Methodology
Particle size (80% within range)	10-60 μm	Conforms	Laser diffraction
Particle size D50	21-26 μm	23 μm	Laser diffraction
pH (4% H ₂ O)	6-9	7.2	ISO787-9
Loss on drying (105° C)	≤ 0.5%	≤ 0.5%	ISO787-2

Heavy Metals

Metal	Results	Metal	Results
Arsenic (As)	≤2 ppm	Mercury (Hg)	≤1 ppm
Barium (Ba)	≤50 ppm	Nickel (Ni)	≤10 ppm
Cadmium (Cd)	≤3 ppm	Lead (Pb)	≤5 ppm
Chromium (Cr)	≤20 ppm	Antimony (Sb)	≤1 ppm
Copper (Cu)	≤50 ppm	Zinc (Zn)	≤50 ppm

Microbial Purity

Tested	Results
Total viable aerobic count	< 100 CFU/g
Ph.Eur.USP XXII	No pathogens



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- The information contained in this certificate has been provided to Mad Oils, Inc. by the product manufacturer. No warranty is expressed, implied, or offered regarding the accuracy of any data contained herein. Mad Oils, Inc. is reliant upon the product manufacturer for all data and Mad Oils, Inc. makes no representations regarding product ingredients and/or test results.
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- Revised December 2023