

CERTIFICATE OF ANALYSIS

Composite Results of Tests of Representative Samples of Ingredients

Identification

Product identifier: Mad Micas Heliotrope
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 #	Results	
Mica	12001-26-2	52.3%	
Titanium dioxide	13463-67-7	46.75%	
Manganese violet	10101-66-3	.5%	
Tin dioxide	18202-10-5	.3%	
Iron oxide	1309-37-1	.15%	

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% H2O)	6-9	7.2	ISO787-9
Loss on drying (105° C)	≤ 0.5%	≤ 0.5%	ISO787-2

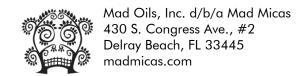
Heavy Metals

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

• This certificate is based on the test results of representative samples of the ingredients used to produce the product described herein as they are known to Mad Oils, Inc. d/b/a Mad Micas ("Mad Micas") at the time this data sheet was issued, when material is packaged in our facility. All information contained herein has been provided to Mad



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- Revised January 2024