



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

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 South 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% H ₂ O)	6-9	7.2	ISO787-9
Loss on drying (105° C)	$\leq 0.5\%$	$\leq 0.5\%$	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