



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 Supernova
Other name: Copper-bronze 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	57.96%
Iron oxide	1309-37-1	34.71%
Fluorophlogopite	12003-38-2	11.63%
Titanium dioxide	13463-67-7	1.37%
Tin dioxide	18282-10-5	.33%

General Analysis

Characteristic	Specs	Results	Methodology
Particle size (80% within range)	5-700 μm	Conforms	Laser diffraction
Particle size D50	9-500 μm	Conforms	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)	≤ 10 ppm
Chromium (Cr)	≤ 100 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