



Mad Oils, Inc. d/b/a Mad Micas  
1860 Old Okeechobee Rd., Bldg. 300  
West Palm Beach, FL 33409  
madmicas.com

# CERTIFICATE OF ANALYSIS

Representative Sample Test Results

## Identification

Product identifier: Mad Micas Poppycock  
Other name: Copper mica powder  
Supplier: Mad Oils, Inc. d/b/a Mad Micas  
1860 Old Okeechobee Rd., Bldg. 300  
West Palm Beach, FL 33409  
+1-561-845-0050  
Recommended use: Colorant

## Chemical Analysis

Ingredient	CAS #	Specs	Results
Mica	12001-26-2	44-48%	46.1%
Iron oxide	1309-37-1	23-27%	24.7%

## General Analysis

Characteristic	Specs	Results	Methodology
Particle size (80% within range)	10-100 $\mu\text{m}$	Conforms	Laser diffraction
Particle size D50	35-42 $\mu\text{m}$	38 $\mu\text{m}$	Laser diffraction
pH (4% H <sub>2</sub> O)	6-9	7.2	ISO787-9
Loss on drying (105° C)	$\leq 0.5\%$	$\leq 0.5\%$	ISO787-9

## Heavy Metals

Metal	Results	Metal	Results
Arsenic (As)	$\leq 2$ ppm	Mercury (Hg)	$\leq 1$ ppm
Barium (Ba)	$\leq 50$ ppm	Nickel (Ni)	$\leq 10$ ppm
Cadmium (Cd)	$\leq 3$ ppm	Lead (Pb)	$\leq 10$ ppm
Chromium (Cr)	$\leq 100$ ppm	Antimony (Sb)	$\leq 1$ ppm
Copper (Cu)	$\leq 50$ ppm	Zinc (Zn)	$\leq 50$ ppm

## Microbial Purity

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