



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 Phyllis Diller  
Other name: White 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	68-72%	69.4%
Titanium dioxide	13463-67-7	27-32%	30.2%
Tin dioxide	18202-10-5	0-1%	0.4%

## General Analysis

Characteristic	Specs	Results	Methodology
Particle size (80% within range)	10-60 $\mu\text{m}$	Conforms	Laser diffraction
Particle size D50	21-26 $\mu\text{m}$	24 $\mu\text{m}$	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)	$\leq 25$ ppm	Nickel (Ni)	$\leq 10$ ppm
Cadmium (Cd)	$\leq 3$ ppm	Lead (Pb)	$\leq 10$ ppm
Chromium (Cr)	$\leq 50$ ppm	Antimony (Sb)	$\leq 1$ ppm
Copper (Cu)	$\leq 50$ ppm	Zinc (Zn)	$\leq 50$ ppm

## Microbial Purity

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

Revised Feb 2023