



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 Bermuda Triangle  
Other name: Blue-Green 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	52.67%
Titanium dioxide	13463-67-7	46.21%
Ultramarine blue	57455-37-5	.56%
Chromium oxide green	1308-38-9	.3%
Tin dioxide	18282-10-5	.17%
Iron oxide	1317-61-9	.09%

## General Analysis

Characteristic	Specs	Results	Methodology
Particle size (80% within range)	10-60 $\mu\text{m}$	Conforms	Laser diffraction
Particle size D50	21-26 $\mu\text{m}$	23 $\mu\text{m}$	Laser diffraction
pH (4% H <sub>2</sub> O)	6-9	7.2	ISO787-9
Loss on drying (105° C)	$\leq 0.5\%$	$\leq 0.5\%$	ISO787-2

## 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)	$\leq 5$ ppm
Chromium (Cr)	$\leq 20$ 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