



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 Key West Blue  
Other name: Blue 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	46-51%	47.8%
Titanium dioxide	13463-67-7	48-53%	50.5%
Tin dioxide	18202-10-5	0-1%	0.4%
Ultramarine blue	57455-37-5	0-2%	1.3%

## 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

- The information contained in this certificate has been provided to Mad Oils, Inc. by the product manufacturer. No warranty is expressed, implied, or offered regarding the accuracy of any data contained herein. Mad Oils, Inc. is reliant upon the product manufacturer for all data and Mad Oils, Inc. makes no representations regarding product ingredients and/or test results.



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

---

- Mad Oils, Inc. shall not be held liable for damage resulting from use of or contact with this product.
- Revised August 2023