



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 Harold's Purple Crayon  
Other name: Purple 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	48-54%	51.3%
Titanium dioxide	13463-67-7	45-51%	47.5%
Tin dioxide	18202-10-5	0-1%	0.6%
Ultramarine blue	57455-37-5	0-1%	0.6%

## 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)	≤ 0.5%	≤ 0.5%	ISO787-9

## 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)	≤5 ppm
Chromium (Cr)	≤20 ppm	Antimony (Sb)	≤1 ppm
Copper (Cu)	≤50 ppm	Zinc (Zn)	≤50 ppm



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

## Microbial Purity

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