



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 Grape Nehi  
Other name: Purple 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  | 47-53% | 50.2%   |
| Titanium dioxide | 13463-67-7  | 44-50% | 48.8%   |
| Tin dioxide      | 18202-10-5  | 0-2%   | 0.4%    |
| Manganese violet | 110101-66-3 | 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)          | $\leq 0.5\%$        | $\leq 0.5\%$     | 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)     | $\leq 10$ 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 | $< 100$ 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



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