



Mad Oils, Inc. d/b/a Mad Micas
430 S. 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 Zero Gravity
Other name: Black 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 # | Results |
|------------------|------------|---------|
| Mica | 12001-26-2 | 62% |
| Titanium dioxide | 13463-67-7 | 26.41% |
| Fluorophlogopite | 12003-38-2 | 11.16% |
| Iron oxide | 1317-61-9 | .26% |
| Tin dioxide | 18282-10-5 | .17% |

General Analysis

| Characteristic | Specs | Results | Methodology |
|----------------------------------|----------------------|--------------|-------------------|
| Particle size (80% within range) | 10-700 μm | Conforms | Laser diffraction |
| Particle size D50 | 21-500 μm | Conforms | Laser diffraction |
| pH (4% H ₂ 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) | ≤ 2 ppm | Mercury (Hg) | ≤ 1 ppm |
| Barium (Ba) | ≤ 50 ppm | Nickel (Ni) | ≤ 10 ppm |
| Cadmium (Cd) | ≤ 3 ppm | Lead (Pb) | ≤ 10 ppm |
| Chromium (Cr) | ≤ 100 ppm | Antimony (Sb) | ≤ 1 ppm |
| Copper (Cu) | ≤ 50 ppm | Zinc (Zn) | ≤ 50 ppm |

Microbial Purity

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

Other Information

- This certificate is based on the test results of representative samples of the ingredients used to produce the product described herein as they are known to Mad Oils, Inc. d/b/a Mad Micas ("Mad Micas") at the time this data sheet



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- Revised January 2024