



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 Twilight
Other name: Blue 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 | 55-59% | 57.4% |
| Titanium dioxide | 13463-67-7 | 40-44% | 41.9% |
| Tin dioxide | 18202-10-5 | 0-1% | 0.7% |

General Analysis

| Characteristic | Specs | Results | Methodology |
|----------------------------------|---------------------|------------------|-------------------|
| Particle size (80% within range) | 10-60 μm | Conforms | Laser diffraction |
| Particle size D50 | 21-26 μm | 23 μm | Laser diffraction |
| pH (4% H ₂ 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 |

Microbial Purity

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



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