



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 Redrum
Other name: Bronze-brown 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	59-63%	60.1%
Iron oxide	1309-37-1	37-41%	39.9%

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%	ISO787-2

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 Ph.Eur.USP XXII	< 100 CFU/g No pathogens

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- Revised October 2023