

## Sun Gold Mica Powder

INCI: Mica (and) Titanium Dioxide (and) Iron Oxides

Product ID: MICASUNGOLDUS567

### Specifications

#### Analytical Details

**Appearance:**  
**Assay (Mica):**  
**Assay (TiO<sub>2</sub>):**  
**Assay (Fe<sub>2</sub>O<sub>3</sub>):**  
**Particle Size Distribution:**  
**Particle Size (d50):**  
**Screening Test:**  
**pH (10% Aqueous Suspension):**  
**Loss on Drying (105 °C):**  
**Visual & Colorimetric Evaluation:**

#### Methods

Visual  
 In-house  
 In-house  
 In-house  
 Laser Diffraction  
 Laser Diffraction  
 In-house  
 ISO 787-9  
 ISO 787-2  
 In-house

#### Specifications

Powder  
 70.0 - 80.0%  
 13.0 - 19.0%  
 7.0 - 11.0%  
 80% Within the Range 10.0 - 100.0 µm  
 47.0 - 55.0 µm  
 < 0.150 mm  
 7.0 - 10.0  
 ≤ 0.5%  
 Conforms

#### Heavy Metals

**Antimony:** ≤ 0.0001%  
**Arsenic:** ≤ 0.0002%  
**Barium:** ≤ 0.0050%  
**Cadmium:** All Metals: Mod. ≤ 0.0003%  
**Chromium:** PCPC / Internal ≤ 0.0100%  
**Copper:** Methods ≤ 0.0050%  
**Lead:** ≤ 0.0010%  
**Mercury:** ≤ 0.0001%  
**Nickel:** ≤ 0.0010%  
**Zinc:** ≤ 0.0050%

#### Microbiological

**Total Aerobic Bacteria:** USP, Ph.Eur., JP ≤ 100 cfu/g  
**Gram Negative Bacteria:** USP, Ph.Eur., JP Absent / 1g  
**E. Coli:** USP, Ph.Eur., JP Absent / 1g  
**P. Aeruginosa:** USP, Ph.Eur., JP Absent / 1g  
**S. Aureus:** USP, Ph.Eur., JP Absent / 1g  
**Salmonella Species:** USP, Ph.Eur., JP Absent / 10g  
**C. Albicans:** USP, Ph.Eur., JP Absent / 1g

**Shelf Life:** Stable

**Notes: Color-Index (Mica): C.I.No. 77019, Color-Index (TiO<sub>2</sub>): C.I.No. 77891, Color-Index (Fe<sub>2</sub>O<sub>3</sub>): C.I.No. 77491. This product meets the USA, Japan and European Union purity requirements for cosmetic color additives.**

**Date:** 04/23/2021

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