

## Certificate of Analysis

Product Code: MMI-Mica Pigment - Metallic Glitter 130G

Trade Name: Metallic Glitter 130G

Supplier: Mineral Makeup Ingredients.

Batch No.: #190118

Assay(INCI)	Cas No.	Spec.Values	Batch Values	Method
Fluorphlogopite	12003-38-2	66-72%	69.50%	Manufacturer
Titanium dioxide	13463-67-7	26-33%	28.70%	Manufacturer
Tin Dioxide	18282-10-5	0-1%	0.60%	Manufacturer
Iron oxide	1309-37-1	1-2%	1.20%	Manufacturer
Particle size(80% within the range 30-150µm)		confirms	confirms	laser diffraction
Particle size(d50)		49-65µm	57µm	laser diffraction
pH-value(4% H2O)		6-9	7.2	ISO787-9
Loss on drying(105°C)		≤0.5%	≤0.5%	ISO787-9
Heavy metals				
As		≤2 ppm	≤2 ppm	Manufacturer
Ba		≤50 ppm	≤50 ppm	Manufacturer
Cd		≤3 ppm	≤3 ppm	Manufacturer
Cr		≤100 ppm	≤100 ppm	Manufacturer
Cu		≤50 ppm	≤50 ppm	Manufacturer
Hg		≤1 ppm	≤1 ppm	Manufacturer
Ni		≤10 ppm	≤10 ppm	Manufacturer
Pb		≤10 ppm	≤10 ppm	Manufacturer
Sb		≤1 ppm	≤1 ppm	Manufacturer
Zn		≤50 ppm	≤50 ppm	Manufacturer
Visual and colorimetric evaluation		confirms	confirms	Manufacturer
Microbiological purity				
Microorganisms		<100CFU/g	<100CFU/g	Manufacturer
Ph.Eur.USP XXII		No Pathogens	No Pathogens	Manufacturer

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