



# Technical Data Sheet

## VV<sup>®</sup> SynMica

INCI Name: Synthetic Fluorphlogopite

Revision 00

Effective Date: April 2026

### Description:

**VV<sup>®</sup> SynMica** is a Synthetic Mica Filler composed of Synthetic Fluorphlogopite. It is a fine white powder with a particle size range of 9-45µm. It has exceptional transparency with good sheen and coverage. It is recommended for use in emulsions, hot pours, powders and anhydrous gels. **VV<sup>®</sup> SynMica** offers a new level of clarity with transparency to provide a soft silky veiled effect when used in powder and liquid cosmetic formulations. **VV<sup>®</sup> SynMica** works as an excellent colour extender and helps to fill out the formula without muting the colour effects that are wanted to be emphasized.

### Typical Properties:

Property	Value
Appearance	White Powder
Loose Bulk Density (g/cc)	≤0.25
Loss on Drying (105°C, 2 Hours)	≤1.0%
Loss on Ignition (600°C, 2 Hours)	≤3%
pH (10% w/v suspension)	6 - 9
Heavy Metals:	
Lead (As Pb)	Below 10 ppm
Arsenic (As As)	Below 3 ppm
Mercury (As Hg)	Below 1 ppm
Acid Solubility	Below 2%
Particle Size Distribution (% retention):	
250µ	Nil
150µ	Max. 0.1
45µ	12 - 18
Microbiology	<100CFU. Pathogens absent.

**These figures are only intended as a guide and should not be used in preparing specifications.**

### Areas of Application:

- Skin Care
- Eye Make-up
- Talc Free Pressed Powder
- Make-up Foundation
- Sun Care
- Lip Make-up
- Deodorant Sticks

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### **Levels Of Use:**

Suggested use level of 1%-90%

### **Storage**

Store in a cool and dry place, in a closed container. Store away from excessive heat. Shelf-life is 24 months from date of production.

### **Safety and Handling**

No special protection required while handling. Material Safety Data Sheet available on request.

### **Limitation**

Customers must evaluate **VV<sup>®</sup> SynMica** and make their own determination as to fitness of use in their applications. This product is not recommended for use in pressurised applications.

### **Packaging**

Available packed in Corrugated Boxes of 1Kg / 5Kg / 20 Kg

### **Disclaimer**

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