

Technical Data Sheet

VV™ LuminaMatrix™ Crystal

INCI Name: Synthetic Fluorphlogopite

Revision 00

Effective Date: April 2026

Description:

VV™ LuminaMatrix™ Crystal 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™ LuminaMatrix™ Crystal** offers a new level of clarity with transparency to provide a soft silky veiled effect when used in powder and liquid cosmetic formulations. **VV™ LuminaMatrix™ Crystal** 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™ LuminaMatrix™ Crystal** 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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