


1 – Product Identification

Product name	MicaFort P66 – Sterilised
Producer	
INCI Name	Mica
General product information	This mica product is ground using selected mica raw material to give high aspect ratio flakes and a tightly controlled particle size distribution. The product is then subjected to a sterilization process (ethylene oxide gas) in order to reduce microbiological content to required level
Applications	Sterilised Muscovite Mica is utilized in beauty products providing a natural sheen and lustre

2 – Analytical Specification

Particle size distribution by wet/dry sieving		
BS Mesh No.	Sieve Aperture (Microns)	Cumulative % Finer
200	75	99.95 – 100
240	63	94 - 100
350	45	80 - 95
	Unit	Limits
Loose Bulk Density	Kg/L	0.15-0.26
Colour (Brighthness)	L	Min 87.0
Total Viable Count	CFU/g	≤100

3 – Non-specified properties / supplementary information

	Unit	Limits
Specific Gravity		2.8
Refractive Index		1.58 – 1.6
Hardness	Moh's scale	2.5
pH		8 - 9
Water soluble matter		0.5
Chemical Analysis		
Silicon as SiO ₂	% by weight	46.9
Aluminium as Al ₂ O ₃	% by weight	30.2
Potassium as K ₂ O	% by weight	10.9
Iron as Fe ₂ O ₃	% by weight	5.6
Sodium as Na ₂ O	% by weight	0.5
Magnesium as MgO	% by weight	1.0
Calcium as CaO	% by weight	0.0
Loss on Ignition at 1000°C	% by weight	4.2

4 – Handling

Packaging	25 Kg
Storage	Keep the product in well-closed original packaging, in a dry place, protected from moisture.
Shelf-life	24 months in original sealed containers, stored in conformity to conditions suggested from this technical data sheet.
Safety	No restriction or limitation for personal care applications.

Member of Cosmetics platform

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