

PURAFLAKE®

Borosilicate Cosmetic Fillers

Product Code: GFE-PF75-HH-1

Technical Information

Puraflake® cosmetic filler series are based on our ultra-thin borosilicate glass flakes, which have an average thickness of 750nm. An alternative high purity synthetic filler giving improved skin feel.

Composition				
Ingredients	Composition	By Weight (%)	CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	>97	65997-17-3	-
Dimethicone Copolyol	Polydimethyl-siloxane	0 - 3	63148-62-9	-

Nominal flake thickness (μm):	Uncoated	750nm		Coated 750-950nm
Particle Size Diameter (μm):	Mean	D10 5	D90 40	(By Laser Diffraction)
Oil Absorption g/100g:	Range	150	180	ASTM D281-12

pH:	7.0 - 11.0	(10% Aqueous Suspension)
Loss on Drying:	0.5 % max	

Trace Elements - Typical: (Total Pigment)	Mercury (Hg)	1 ppm max	IEC 62321:2013 ICP-MS
	Arsenic (As)	2 ppm max	
	Lead (Pb)	5 ppm max	
	Cadmium (Cd)	2 ppm max	
	Barium (Ba)	50 ppm max	
	Antimony (Sb)	2 ppm max	
	Chromium (Cr)	15 ppm max	
	Nickel (Ni)	10 ppm max	
	Copper (Cu)	5 ppm max	
	Cobalt (Co)	2 ppm max	
	Selenium (Se)	2 ppm max	
Microorganisms:	100 CFU/g max.	No Pathogens	

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This information is given in good faith without guarantee or liability. All values are approximate.