

# PURAFLAKE®

Borosilicate Cosmetic Fillers

## Product Code: GFE-PF100-LL-1

## Technical Information

Puraflake® cosmetic filler series are based on our ultra-thin borosilicate glass flakes which have an average thickness of 1µm. An alternative high purity synthetic filler giving improved skin feel.

Composition				
Ingredients	Composition	By Weight (%)	CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	97 - 99	65997-17-3	-
Dimethicone Copolyol	Polydimethyl-siloxane	0 - 3	63148-62-9	-

<b>Nominal flake thickness (µm):</b>	Uncoated	1.0		Coated 1.20 – 1.40
<b>Particle Size Diameter (µm):</b>	Mean	D10 10	D90 60	(By Laser Diffraction)
<b>Oil Absorption g/100g:</b>	Range	150	180	ASTM D281-12

<b>pH:</b>	7.0 - 11.0	(10% Aqueous Suspension)
<b>Loss on Drying:</b>	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	
According to ISO 16128-2	Natural/Natural Origin Index No.: = 1	Organic Index No.: = 0	

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