

Moonshine® Ultra Grey Shimmer

Production Code: GFUEG

Technical Information

Moonshine® ultra effect series are based on our thin borosilicate glass flakes which have an average thickness of 1.0 micron and are coated with a combination of high refractive index metal oxides and colorants, resulting in unique pigments that display strong colours combined with interference effects.

Composition					
Ingredients	Composition	By Weight (%)		CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	83 - 93		65997-17-3	-
Tin Oxide	SnO ₂	0 - 1		18282-10-5	77861
Titanium Dioxide	TiO ₂	4 - 12		13463-67-7	77891
Titanium/Titanium Dioxide	Ti/TiO ₂	3 - 4		51745-87-0	77890

Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10	D90	(Laser diffraction Measurement)	
		20	100		
Oil Absorption g/100g:	Range	140	170	ASTM D281-12	

pH:	6.0 - 10.0	(10% Aqueous Suspension)
Loss on Drying:	2% max.	

Trace Elements - Typical:	Mercury (Hg)	2 ppm max.	IEC 62321:2013 ICP-MS
	Arsenic (As)	5 ppm max.	
	Lead (Pb)	10 ppm max.	
	Cadmium (Cd)	2 ppm max.	
	Total Barium (Ba)	50 ppm max.	
	Antimony (Sb)	2 ppm max.	
	Total Chromium (Cr)	15 ppm max.	
	Nickel (Ni)	10 ppm max.	
	Copper (Cu)	5 ppm max.	
	Cobalt (Co)	5 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.