

Moonshine® Ultra Emerald Green Shimmer

Product Code: GFUEEGR

Technical Information

Moonshine® Ultra effect series are based on our thin borosilicate glassflakes which have an average thickness of 1.0 micron and are coated with high refractive index metal oxides, Iron oxide and Ferric Ferrocyanide resulting in unique pigments that display strong interference colours combined with high transparency and extraordinary gloss.

Composition					
Ingredients	Composition	By Weight (%)		CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	58 – 71		65997-17-3	-
Tin Oxide	SnO ₂	0 – 2		18282-10-5	77861
Titanium Dioxide	TiO ₂	26 – 32		13463-67-7	77891
Iron Oxide	Fe ₂ O ₃	2 – 5		1309-37-1	77491
Ferric Ferrocyanide	Fe ₄ [Fe(CN) ₆] ₃	1 – 3		14038-43-8	77510
Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10 10	D90 60	(Laser diffraction Measurement)	
pH:	3.0 - 7.0		(10% Aqueous Suspension)		
Loss on Drying:	2% max				
Trace Elements - Typical:	Mercury (Hg)			2 ppm max	IEC62321:2013 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	
Note: This product contains ferric ferrocyanide (CI No. 77510) which is unstable to alkali and some salts. Therefore this product should not be used in alkaline formulations and should not be used with ethylene oxide for microbial sterilization.					

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