

GLASSFLAKE EFFECT SERIES

Moonshine® Metallic Gold Ultra Shimmer

Production Code: GFEMGSU

Technical Information

Moonshine® effect series are based on our thin borosilicate glass flakes which have an average thickness of 1.0 microns and are coated with high refractive index metal oxides, 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	60 - 80		65997-17-3	-
Tin Oxide	SnO ₂	0 - 1		18282-10-5	77861
Titanium Dioxide	TiO ₂	15 - 30		13463-67-7	77891
Iron Oxide	Fe ₂ O ₃	5 - 10		1309-37-1	77491
Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10	D90	(By Malvern Mastersizer 2000S)	
		5	45		
Oil Absorption g/100g:	Range	60	100	ASTM D281-12	
pH:	7.0 - 11.0		(10% Aqueous Suspension)		
Loss on Drying:	0.5 % max				
Trace Elements - Typical:	Mercury (Hg)	2 ppm max		IEC 62321:2008 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)	15 ppm max			
	Copper (Cu)	5 ppm max			
	Cobalt (Co)	5 ppm max			
	Selenium (Se)	2 ppm max			
	Zinc (Zn)*	100 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.