

Moonshine® Colour Travel Blue-Green-Gold Sparkle

Production Code: GFE-BGGS

Technical Information

Moonshine® Colour Travel series are based on our thin borosilicate glassflakes which have an average thickness of 1.0 micron and are coated with layers of high refractive index metal oxides and Silica, resulting in unique pigments that display strong colour flop effects combined with high transparency and extraordinary gloss.

Composition					
Ingredients	Composition	By Weight (%)		CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	45 - 90		65997-17-3	-
Silica	SiO ₂	10 - 30		7631-86-9	-
Titanium Dioxide	TiO ₂	4 - 20		13463-67-7	77891
Tin Oxide	SnO ₂	0 - 1		18282-10-5	77861
Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10	D90	Laser diffraction Measurement	
		40	150		
Oil Absorption g/100g:	Range	120	150	ASTM D281-12	
pH:	7.0 - 11.0		(10% Aqueous Suspension)		
Loss on Drying:	0.5 % max				
Trace Elements - Typical: (Total Pigment)	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	

Glassflake Ltd
Forster Street Leeds LS10 1PW England info@moonshinepigments.com
www.moonshinepigments.com