

## GLASSFLAKE COLOUR TRAVEL EFFECT SERIES

**Moonshine® Colour Travel Violet-Blue-Green Ultra Sparkle**

**Production Code: GFE-VBGUS**

### Technical Information

Moonshine® colour travel effect series are based on our thin borosilicate glass flakes 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	55 - 95	65997-17-3	-
Tin Oxide	SnO <sub>2</sub>	0 - 1	18282-10-5	77861
Titanium Dioxide	TiO <sub>2</sub>	2 - 17	13463-67-7	77891
Amorphous Silica	SiO <sub>2</sub>	5 - 25	112945-52-5	-

<b>Nominal flake thickness</b> (µm):	Uncoated	1.0		Coated	1.21 - 2.21
<b>Particle Size Diameter</b> (µm):	Mean	D10	D90	(By Malvern Mastersizer 2000S)	
		50	200		
<b>Oil Absorption g/100g:</b>	Range	130	160	ASTM D281-12	

<b>pH:</b>	7.0 - 11.0	(10% Aqueous Suspension)
<b>Loss on Drying:</b>	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)	10 ppm max	
	Copper (Cu)	5 ppm max	
	Cobalt (Co)	2 ppm max	
	Selenium (Se)	2 ppm max	
<b>Microorganisms:</b>	100 CFU/g max.		No Pathogens