

Product Name: Moonshine® Violet Blue Green - Gold Variant Shimmer
Production Code: GFE-VBG-GLD

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 a combination of high refractive index metal oxides and colorants, resulting in unique pigments that display strong colours combined with interference effects.

Composition					
Ingredients	INCI Name	By Weight (%)		CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	33.5 – 83		65997-17-3	-
Tin Oxide	SnO ₂	0 – 2		18282-10-5	77861
Titanium Dioxide	TiO ₂	4 – 24		13463-67-7	77891
Silica	SiO ₂	9 – 34		7631-86-9	-
Iron Oxide	Fe ₂ O ₃	4 – 6		1309-37-1	77491
Triethoxycaprylylsilane	Triethoxycaprylylsilane	0 – 0.5		2943-75-1	-
Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10 30	D90 100	(Laser diffraction Measurement)	
pH:	5.0 - 9.0 (ISO 787-9)		(10% Aqueous Suspension)		
Loss on Drying:	2% max.		(ISO 787-2 - 105°C, 2g, 1 hour)		
Oil Absorption:	60 – 80		(ASTM D281-84)		
Trace Elements	Mercury (Hg)			2 ppm max.	IEC 62321:2013 ICP-MS
Typical:	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.	
	Zinc (Zn)			100 ppm max.	
	Microorganisms:	100 CFU/g max. (Total viable aerobic count USP)			
Note: Do not use in the condition of above 650°C.					