

Product Name: Moonshine® Blue Green Gold - Gold Variant Shimmer
Production Code: GFE-BGG-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)			No Pathogens
Note: Do not use in the condition of above 650°C.				