

Moonshine® Ultra Golden Yellow Sparkle

Production Code: GFUEYS

Technical Information

Moonshine® ultra effect series are based on our thin borosilicate glass flakes 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	Composition	By Weight (%)	CAS No.	CI No.
Calcium Sodium Borosilicate	Glass	76 - 90	65997-17-3	-
Tin Oxide	SnO ₂	0 - 1	18282-10-5	77861
Titanium Dioxide	TiO ₂	10 - 22	13463-67-7	77891
FD&C Yellow #5 Aluminium Lake	FD&C Yellow #5 Aluminium Lake	0.5 - 1	12225-21-7	19140

Nominal flake thickness (µm):	Uncoated	1.0	Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10 50 D90 250	(Laser diffraction Measurement)	
Oil Absorption g/100g:	Range	150	180	ASTM D281-12

pH:	4.0 - 8.0	(10% Aqueous Suspension)
Loss on Drying:	2% max.	

Trace Elements - Typical:	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

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