

**Moonshine® Ultra Brazen Blue Shimmer**

**Production Code: GFUEB**

**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	69 - 80	65997-17-3	-
Tin Oxide	SnO <sub>2</sub>	0 - 1	18282-10-5	77861
Titanium Dioxide	TiO <sub>2</sub>	17 - 26	13463-67-7	77891
Ferric Ferrocyanide	C <sub>18</sub> Fe <sub>7</sub> N <sub>18</sub>	3 - 4	14038-43-8	77510

<b>Nominal flake thickness</b> (µm):	Uncoated	1.0		Coated	1.21 - 2.21
<b>Particle Size Diameter</b> (µm):	Mean	D10	D90	(Laser diffraction Measurement)	
		20	100		
<b>Oil Absorption g/100g:</b>	Range	140	170	ASTM D281-12	

<b>pH:</b>	3.0 - 7.0	(10% Aqueous Suspension)
<b>Loss on Drying:</b>	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.	
<b>Microorganisms:</b>	100 CFU/g max.		No Pathogens

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This information is given in good faith without guarantee or liability. All values are approximate.