

Product Name: Blue-Green-Gold Ultra Sparkle Red
Product Code: GFUT-BGGUS-R

Technical Information

Moonshine® Ultra Travel series are based on our thin borosilicate glassflakes which have an average thickness of 1.0 micron that are coated with layers of high refractive index metal oxides, Silica and Carmine 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	54 - 92		65997-17-3	-
Silica	SiO ₂	5 - 20		7631-86-9	-
Titanium Dioxide	TiO ₂	2 - 20		13463-67-7	77891
Carmine	Carmine	1 - 2		1390-65-4	75470
Tin Oxide	SnO ₂	0 - 5		18282-10-5	77861

Nominal flake thickness (µm):	Uncoated	1.0		Coated	1.21 - 2.21
Particle Size Diameter (µm):	Mean	D10	D90	Laser diffraction Measurement	
		40	200		
Oil Absorption g/100g:	Range	60	80	ASTM D281-12	

pH:	4.0 - 8.0	ISO 787-9 (10% Aqueous Suspension)	
Loss on Drying:	2% max	ISO 787-2	

Trace Elements - Typical: (Total Pigment)	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	5 ppm max		
	Cobalt	5 ppm max		
	Selenium	2 ppm max		

Microorganisms:	100 CFU/g max.	No Pathogens
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This product contains Carmine which is partially soluble above pH7 and unstable under high temperatures. Therefore do not heat above 110°C.

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

TDS - GFUT-BGGUS-R 8.0 JANUARY 2024