

**Product Name: Red-Violet-Blue Ultra Sparkle Red**  
**Product Code: GFUT-RVBUS-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 <sub>2</sub>	5 - 20		7631-86-9	-
Titanium Dioxide	TiO <sub>2</sub>	2 - 20		13463-67-7	77891
Carmine	Carmine	1 - 2		1390-65-4	75470
Tin Oxide	SnO <sub>2</sub>	0 - 5		18282-10-5	77861
<b>Nominal flake thickness (µm):</b>	Uncoated	1.0		Coated	1.21 - 2.21
<b>Particle Size Diameter (µm):</b>	Mean	D10	D90	Laser diffraction Measurement	
		40	200		
<b>Oil Absorption g/100g:</b>	Range	60	80	ASTM D281-12	
<b>pH:</b>	4.0 - 8.0	ISO 787-9 (10% Aqueous Suspension)			
<b>Loss on Drying:</b>	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		
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.