

MOONSHINE® ULTRA TRAVEL SERIES

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	-
Amorphous 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 40	D90 200	(By Malvern Mastersizer 3000S)
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 62321:2008 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	2 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.