

## MOONSHINE® ULTRA TRAVEL SERIES

**Product Name: Violet-Blue-Green Ultra Sparkle Blue**  
**Product Code: GFUT-VBGUS-B**

### 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 Ferric Ferrocyanide 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 <sub>2</sub>	5 - 20	7631-86-9	-
Titanium Dioxide	TiO <sub>2</sub>	2 - 20	13463-67-7	77891
Ferric Ferrocyanide	Ferric Ferrocyanide	1 - 2	14038-43-8	77510
Tin Oxide	SnO <sub>2</sub>	0 - 5	18282-10-5	77861

<b>Nominal flake thickness</b> (µm):	Uncoated	1.0		Coated	1.21 - 2.21
<b>Particle Size Diameter</b> (µm):	Mean	D10	D90	(By Malvern Mastersizer 3000S)	
		40	200		
<b>Oil Absorption g/100g:</b>	Range	60	80	ASTM D281-12	

<b>pH:</b>	3.0 - 7.0	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 62321:2008 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		

<b>Microorganisms:</b>	100 CFU/g max.	No Pathogens
------------------------	----------------	--------------

This product contains ferric Ferrocyanide which is unstable to alkali and some salts. Therefore this product should not be used in alkaline formulations and should not be used with ethylene oxide for microbial sterilization.