



# Specification

## GR030 Diamond White

Edition: YZ2019-01TDS

Assays		Values		Method	
Content	CAS-NO.	INCI Name			
Sheet Glass	65997-17-3	Calcium Aluminum Borosilicate	90-96	wt%	YUNZHU
TiO <sub>2</sub>	13463-67-7	CI 77891/ Titanium Dioxide	4-9	wt%	YUNZHU
SnO <sub>2</sub>	18282-10-5	CI 77861 / Tin Oxide	≤1	wt%	YUNZHU
Visual evaluation					
Color		pass		YUNZHU	
Luster		pass		YUNZHU	
Density	2.2~ 3.0		g /cm3	ISO 787-10	
Bulk density	35 ~ 43		g /100ml	DIN 53466	
Particle size	80 % within the range 40-150 μm	pass		Laser diffraction	
PH – value	10 % aqueous slurry	6~11		ISO 787-9	
Loss on drying	105 °C	< 1	wt %	ISO 787-2	
Oil absorption	50 ~ 90 g oil/100g powder		ISO 787-5		
Heavy metals					
	Pb	≤ 10	ppm	YUNZHU	
	As	≤ 2	ppm	YUNZHU	
	Hg	≤ 1	ppm	YUNZHU	
	Cd	≤ 1	ppm	YUNZHU	
	Sb	≤ 2	ppm	YUNZHU	
	Cr	≤ 100	ppm	YUNZHU	
	Cu	≤ 50	ppm	YUNZHU	
	Ni	≤ 10	ppm	YUNZHU	
Microorganisms					
	Aerobic bacteria	≤ 100	CFU /g	YUNZHU	
	Yeasts and moulds	≤ 100	CFU /g	YUNZHU	
	Gram negative bacteria	absent in 1 g		YUNZHU	
	Staphylococcus aureus	absent in 1 g		YUNZHU	

**Note:** This colorant conforms to the regulations 1223/2009, EU231/2012 and FDA 21 CFR 73.

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