



Specification

GR5500 Crystal Bronze

Edition: YZ2019-01TDS

Assays		Values			Method
Content	CAS-NO.	CI-NO.			
Synthetic Mica	12003-38-2		84 ~ 91	wt%	YUNZHU
Fe ₂ O ₃	1309-37-1	77491	9 ~ 16	wt%	YUNZHU
Visual evaluation					
Color		pass			YUNZHU
Luster		pass			YUNZHU
Density		2.8~ 3.2	g /cm ³		ISO 787-10
Bulk density		33 ~ 38	g /100ml		DIN 53466
Particle size	80 % within the range 60-320 μm	pass			Laser diffraction
PH – value	10 % aqueous slurry	5~9			ISO 787-9
Loss on drying	105 °C	< 0.5	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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