



# SPECIFICATION

( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** COSMI 48200R Red

**Appearance:** A free flowing of red powder.

Ingredients & Composition	INCI	Specification	CAS No.	CI No.
	Synthetic Fluorphlogopite	(66 ~ 70)%	12003-38-2	-
	CI 77891	(26 ~ 30)%	13463-67-7	77891
	Red 40	(3 ~ 5)%	25956-17-6	16035
Heavy Metals Content	Characteristic	Specification	Unit	Method
	Arsenic (As)	<2	ppm	ICP - OES
	Cadmium (Cd)	<3	ppm	ICP - OES
	Mercury (Hg)	< 1	ppm	ICP - OES
	Chromium (Cr)	< 100	ppm	ICP - OES
	Lead (Pb)	< 10	ppm	ICP - OES
	Antimony (Sb)	< 1	ppm	ICP - OES
	Copper (Cu)	< 50	ppm	ICP - OES
	Nickel (Ni)	< 10	ppm	ICP - OES
	Zinc (Zn)	< 50	ppm	ICP - OES
	Method: ICP-OES after full digestion with diluted HCl and HF solution.			
Microbiological Test	Total viable aerobic count	< 100	CFU/g	Incubator + Microscope
	E.Coli	N.D	pcs in 1 g	Incubator + Microscope
	Pseudomonas aeruginosa	N.D	pcs in 1 g	Incubator + Microscope
	Staphylococcus aureus	N.D	pcs in 1 g	Incubator + Microscope
	Salmonella species	N.D	pcs in 10 g	Incubator + Microscope
	Gram negative bacteria	N.D	pcs in 1 g	Incubator + Microscope
	Candida albicans	N.D	pcs in 1 g	Incubator + Microscope
	Physical Properties	Particle Size Distribution (PSD)	80% within the range (10 ~ 60) μm	
D50		(22.0 ± 2.0) μm		Malvern Mastersizer 3000
Color		as KC STD		Powder Color, Visual
pH (10 % aqueous suspension)		4.0 ~ 9.0		GB 1717
Loss on Ignition (LOI,105°Cx2hr)		≤ 0.5 %		GB 5211.3
Oil absorption value		(70.0 ~ 90.0) g oil / 100 g powder		GB 5211.15
Density		(2.8 ~ 3.4) g/cm <sup>3</sup> (water=1)		GBT 1713