



SPECIFICATION

(FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD.)

Product Name: COSMI 48315R-KU Flamingo Pink

Appearance: A flamingo red powder.

Ingredients & Composition	INCI	Specification	CAS No.	CI No.
	Synthetic Fluorophlogopite	(60 ~ 64)%	12003-38-2	-
	CI 77891	(26 ~ 30)%	13463-67-7	77891
	Tin Oxide	(< 1)%	18282-10-5	77861
	Silica	(1 ~ 3)%	7631-86-9	-
	Red 30	(3 ~ 5)%	1342-90-1	73360
	Barium Sulfate	(1 ~ 3)%	7727-43-7	-
	Heavy Metals Content	Characteristic	Specification	Unit
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		(24.0 ± 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 ³ (water=1)		GBT 1713