



# SPECIFICATION

( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** COSMI 483140 Coral Orange

**Appearance:** An coral orange powder.

<b>Ingredients &amp; Composition</b>	<b>INCI</b>	<b>Specification</b>	<b>CAS No.</b>	<b>CI No.</b>
	Synthetic Fluorophlogopite	(60 ~ 64)%	12003-38-2	-
	CI 77891	(32 ~ 36)%	13463-67-7	77891
	Tin Oxide	(< 1)%	18282-10-5	77861
	Yellow 5	(1 ~ 2)%	1934-21-0	19140
	Red 40	(1 ~ 3)%	25956-17-6	16035
<b>Heavy Metals Content</b>	<b>Characteristic</b>	<b>Specification</b>	<b>Unit</b>	<b>Method</b>
	Arsenic <b>(As)</b>	<2	ppm	ICP - OES
	Cadmium <b>(Cd)</b>	<3	ppm	ICP - OES
	Mercury <b>(Hg)</b>	< 1	ppm	ICP - OES
	Chromium <b>(Cr)</b>	< 100	ppm	ICP - OES
	Lead <b>(Pb)</b>	< 10	ppm	ICP - OES
	Antimony <b>(Sb)</b>	< 1	ppm	ICP - OES
	Copper <b>(Cu)</b>	< 50	ppm	ICP - OES
	Nickel <b>(Ni)</b>	< 10	ppm	ICP - OES
	Zinc <b>(Zn)</b>	< 50	ppm	ICP - OES
Method: ICP-OES after full digestion with diluted HCl and HF solution.				
<b>Microbiological Test</b>	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
<b>Physical Properties</b>	Particle Size Distribution (PSD)	80% within the range (10 ~ 60) μm		Malvern Mastersizer 3000
	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

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