



PRODUCT SPECIFICATION

CALCIUM PHOSPHATE ~ MICRONISED

Stan Chem offers both DiCalcium Phosphate and TriCalcium Phosphate Micronised FCC products produced on FDA registered plant, cGMP compliant, low in aluminium and manganese. Calcium phosphates are used extensively in many food applications as a calcium source as well as a processing aid. The micronised Calcium Phosphates are especially useful in beverages and liquid applications where dispersion and re-suspension are important. Micronised materials have narrow particle size distribution and can be very effective and efficient products.

Uses: Infant formula, Orange juices, Nutritional drinks, Yoghurts and if a fine particle size is particularly needed in pharmaceutical and nutritional tablets, the micronised products can also be very useful.

DICALCIUM PHOSPHATE DIHYDRATE MICRONISED FCC

ITEM	SPECIFICATION
Assay	98.0 – 105.0%
CaO	31.4 – 32.9%
P205	40.7 - 42.5%
Al	0.001% max
Mg	0.001% max
Fluoride	0.005% max
Loss on Ignition	24.5 - 26.5%
As	0.0001% max
Pb	0.001% max
Heavy Metals	0.001% max
Insolubles in Acid	0.2% max
Total aerobic count 30 C/lg	1000 max
Enterobacteriaceae	Negative
Escherichia	Negative
Staphylococcus aureus	Negative
Molds	100 max
Yeast	100 max
Particle Size, median	5 micron
pass 45um	99.0% min

TRICALCIUM PHOSPHATE MICRONISED FCC

ITEM	SPECIFICATION
Appearance	Fine white, odourless, tasteless powder
Ca	34.0 to 40.0%
Loss on Ignition	8.0% max
As	0.0001% max
Fluoride	0.005% max
Heavy Metals	0.001% max
Pb	0.0001% max
Al	10 ppm max
Mn	10 ppm max
Radioactivity CS 1334/137	10 ppm max
Cl	0.15% max
SO ₄	0.5% max
Fe	0.04% max
pH value	5 - 8
Total aerobic count 30 C/lg	1000 max
Enterobacteriaceae	Negative
Escherichia	Negative
Staphylococcus aureus	Negative
Molds	100 max
Yeast	100 max
Particle Size, average 3um, pass 45um	99.0% min