

SPECIFICATION SHEET

CALCIUM LACTATE PENTA PEARL

Characteristics	Specifications	Unit(s)
Molecular Weight	308	g/mol
Particle Size	99% between 100 – 710	µm
Solubility in water (25°C/77°F)	9	g/100 mL
Solubility in water (1g/30 mL)	Passes Test	-
Dissolution rate	38 sec	1000 mg/250 mL
Hydrate form	Penta	-
Form	Free flowing and no dusting pearls	-
pH (5g product + 95g water)	6.0 – 8.0	-
Loss on drying	22 – 27	% w/w
Color	White	-
Odor	Neutral	-
Taste	Neutral	-
Appearance of solution	Passes Test	-
Positive test of calcium	Passes Test	-
Positive test of lactate	Passes Test	-
Calcium lactate content (as anhydrous)	98 – 101	% w/w
Calcium content (as anhydrous)	16.5 – 20.1	% w/w
Calcium content	13.1 – 14.5	% w/w
Heavy metals (as Pb)	Max. 5	ppm
Chloride	Max. 80	ppm
Sulphate	Max. 400	ppm
Phosphate	Max. 150	ppm
Lead	Max. 0.5	ppm
Arsenic	Max. 1	ppm
Mercury	Max. 1	ppm
Fluoride	Max. 15	ppm
Reducing substances (sugars)	Passes Test	-
Volatile fatty acids	Passes Test	-
Acidity – alkalinity	Passes Test (acidity)	-
Magnesium and alkali salts	Max. 1	% w/w
Mesophilic bacteria	Max. 1000	counts/g

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Molds	Max. 100	counts/g
Yeasts	Max. 50	counts/g

Quality Approved
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