

Type APC210CL

Low Methoxyl Amidated High Calcium Reactivity Pectin

Description

Andre pectin type APC210CL is a purified low methoxyl amidated pectin, extracted from lime peel, standardised with sugars and buffer salts to constant rheological properties in a defined gel with 78 % SS at pH 4.5.

Composition

Pectin	E 440
Sucrose	
Disodium diphosphate	E 450 (i)
Sodium polyphosphate	E 452 (i)
Tricalcium phosphate	E 341 (iii)

Typical application

Low acidity confectionery

pH range	3.6 - 4.8
Soluble solids range	78 - 84 %

Usage levels (Guidelines)

Confectionery: 1.2 - 2.5 %
We recommend dissolving pectin in water before addition to the final system.

Sensory characteristics

Item	Index
Appearance	free flowing powder
Colour	pale brown powder
Odour	slight, free from off-notes
Taste	slight, free from off-flavours

Specification

Item	Index
pH (2% solution)	4.0 - 5.0
Degree of esterification	typically 30 ± 3 %
Degree of amidation	typically 20 ± 3 %
Galacturonic acid	≥ 65 %
Loss on drying	≤ 12 %
Acid-insoluble ash	≤ 1 %

Chemical characteristics

Item	Index
Nitrogen content:	≤ 2.5 %
SO ₂ *	≤ 10 mg/kg
Free methyl, ethyl and isopropyl alcohol	≤ 1 %
Lead	≤ 2 mg/kg
Arsenic	≤ 3 mg/kg
Mercury	≤ 1 mg/kg
Cadmium	≤ 1 mg/kg

* Not used in the process.

Microbiological characteristics

Item	Index
Total plate count	≤ 500 CFU/g
Yeast and mould	≤ 100 CFU/g
Coliforms	< 3.0 MPN/g
E. coli	< 3.0 MPN/g
Staphylococcus aureus	absent in 25 g
Salmonella	absent in 25 g

Legal requirements

This product complies with all criteria laid down by EU, FAO/WHO (JECFA) and FDA/FCC and is GMO and Allergen free according to EC directives.

Quality assurance system

ISO 9001, ISO 22000, BRC, Halal, Kosher.

Packaging & storage

Packaging	paper with polythene liner (25 kg net)
Storage	cool and dry
Shelf life	24 months

Risks and handling

A Material Safety Data Sheet is available on request.

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