

Type APC210

Low Methoxyl Amidated High Calcium Reactivity Pectin

Description

Andre pectin type APC210 is a purified low methoxyl amidated pectin, extracted from citrus peel and standardised with sugars to constant rheological properties in a defined gel with 30 % SS at pH 3.1.

Composition

Pectin	E 440
Sucrose	

Typical application

Low sugar jams with soluble solids 20 - 40%
Low sugar jellies with soluble solids 20 - 40%

Usage levels (Guidelines)

0.4 - 0.8 %

The optimal dosage depends on pH, soluble solids and calcium content in the application.

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)	3.8 - 4.5
Degree of esterification	typically 30 ± 3 %
Degree of amidation	typically 20 ± 3 %
Reactivity to calcium	high
Galacturonic acid	≥ 65 %
Loss on drying	≤ 12 %
Acid-insoluble ash	≤ 1 %

Chemical characteristics

Item	Index
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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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