



HSC210

Low Methoxyl Amidated High Calcium Reactivity Pectin

File No: DSP-SPEC-210CEN
Revision date: Sep 06, 2023

Description

HSC210 is a purified low methoxyl amidated pectin(E440), extracted from citrus peel and standardized with dextrose.

Specification

pH(1% solution):-	4.0–5.0
Reactivity to calcium:-	High
Degree of esterification:-	23–26%
Degree of amidation:-	20–24%

Application

Low sugar jams, fruit preparations with soluble solids of 20–50%

Usage Level (Guideline):

0.5–0.8%

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

Appearance:-	Free flowing powder.
Colour:-	White to light brown.
Odour:-	Neutral, free from off-odours.
Taste:-	Neutral, free from off-flavours.

Microbiological characteristics

Total plate count:-	≤ 1000 CFU/g
Yeast and mould:-	≤ 100 CFU/g
Coliforms:-	absent in 1g
Salmonella:-	absent in 25g

Chemical characteristics

Galacturonic acid:-	≥ 65 %
Loss on drying:-	≤ 12 %
Acid-insoluble ash:-	≤ 1 %
SO ₂ :-*	≤ 50ppm
Lead:-	≤ 5ppm
Particle size:-	≤ 1% on 0.250mm

* Not used in the process.

Legal requirements

This product meets the specifications laid down by EU, FAO/WHO (JECFA) and FDA/FCC .

Nutritional information

(per 100g standardized pectin)

Energy	964kJ
Protein	< 0.5%
Carbohydrate	25%
of which sugars	25%
Fat	< 0.5%
Fibre	65%

* The above values should be considered "typical" and not a specification.

Packaging & Storage

Packaging:-	Paper bag with PE liner (25kg net)
Storage:-	Cool and dry
Shelf life:-	24 months.

Risks and Handling

A Material Safety Data Sheet is available on request.

The information contained herein is based on our own research and development work and is to the best of our knowledge reliable. Users should conduct their own tests to determine suitability of our products for their own specific purpose and the legal status for their intended use of the product. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.

