

# Type APA102

## HM Rapid Set Pectin E440

### Description

Andre pectin type APA102 is a rapid setting purified high methoxyl pectin, extracted from apple pomace and standardized with sugar (sucrose).

### Composition

Pectin	E 440
Sucrose	

### Typical application

Jams, jellies, fruit juice drinks.

pH range	2.5 - 3.5
Soluble solids	> 55 %

### Usage levels (Guidelines)

Jams, jellies 0.4 - 1.0 %

Fruit juice drinks 0.1 - 0.2 %

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)	2.8 - 3.8
Degree of esterification	> 69 %
Grade (USA SAG)	150 ± 5
Setting temperature	82 - 92 °C
Galacturonic acid	≥ 65 %
Loss on drying	≤ 12 %
Acid-insoluble ash	≤ 1 %

### Chemical characteristics

Item	Index
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Nitrogen content:	≤ 1 %
SO <sub>2</sub> *	≤ 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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