



# Type APA186I

## HM USP Pectin E440

### Description

Andre pectin type Instant APA186I is a purified high methoxyl pectin, extracted from apple pomace and contains no additives or diluents.

### Composition

Pectin	E 440
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### Typical application

For use in pharmaceutical products.

### Usage levels (Guidelines)

N/A.

### 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

Conforms to the most current USP monograph as published at the date of manufacture

Item	Index
Degree of esterification	> 55 %
Galacturonic acid	≥ 74 %
Loss on drying	≤ 10 %
Acid-insoluble ash	≤ 1 %

### Chemical characteristics

Item	Index
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	drums with polythene liner ( 15 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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