**QILIN PECTIN A5 FOR LOW-SUGAR JAMS,JELLIES AND OTHER PRODUCTS WITH SOLUBLE SOLIDS CONTENT OF 40-60%**

**TDS**

**Description**

QILIN Pectin A5 is a purified low methoxyl pectin, extracted from apple peel and standardized with sucrose.

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| **Specification**  pH ( 1% solution):-  Reactivity to calcium: -  Degree of esterification: - Degree of amidation: - | 3.8-4.5 Low  35±3% 15±3% |

**Application**

Applied to low-sugar jams, jellies, and other products with a

soluble solids content of 40-60%

**Usage Level ( Guideline) :**

0.3-0.7 %

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:- Pale brown.

Odour: - Neutral, free from off- odours .

Taste:- Neutral, free from off-flavours.

**Microbiological characteristics**

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| --- | --- |
| Total plate count: - Yeast and mould: -  Coliforms: - E. coli:-  Staphylococcus aureus: -  Salmonella: - | ≤ 1000 cfu/g  ≤ 100 cfu/g  absent in 1 g  absent in 1 g  absent in 1 g  absent in 2 5 g |

**Chemical characteristics**

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| --- | --- |
| Pectin content:-  Galacturonic acid: - Loss on drying:- Ash ,total:-  Acid- insoluble ash: - Nitrogen content: - SO2:-\*  Free methyl, ethyl  and isopropyl alcohol: - Heavy metals as lead:- Lead:-  Arsenic: -  Particle size: - | ≥60% ≥65% ≤12% ≤5%  ≤1 %  ≤1 %  ≤50ppm  ≤1 % ≤15ppm ≤5ppm ≤3ppm  1% retained on 300μm |

\* Not used in the process.

**Legal requirements**

This product complies with all criteria laid down by

EU, FAO/WHO ( JECFA) and FDA/ FCC .

**Nutritional information depends on**

|  |  |
| --- | --- |
| **the standardisation**  Energy ( per100g) Protein  Carbohydrates  Of which sugars  Fat  Fibre  **Packaging & Storage**  Packaging: - Storage: -  Shelf life:- | typically 550 - 650kJ typically < 0.5 %  15 – 25%  15 – 25% < 0 .5 %  typically 75 – 85%  Paper bag with polythene  liner (25kg net) Cool and dry 24 months. |

**Risks and Handling**

A Material Safety Data Sheet is available on request.

The customer must take sole responsibility in the use and control of this product according to their countries current legislations.

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