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## Psyllium Hydrophilic Mucilloid for Oral Suspension

### DEFINITION

Psyllium Hydrophilic Mucilloid for Oral Suspension is a dry mixture of Psyllium Husk with suitable additives.

### IDENTIFICATION

#### • A. BOTANIC CHARACTERISTICS

**Microscopic:** It shows occasional single and 2- to 4-compound starch granules, the individual grains being spheroidal plano to angular convex, 2–10  $\mu\text{m}$  in diameter, found embedded in the mucilage. Entire or broken epidermal cells are filled with mucilage. In surface view, the epidermal cells appear polygonal to slightly rounded. Mucilage stains red with ruthenium red TS and lead acetate TS. Some of the elongated and rectangular cells representing the lower part of epidermis and also radially swollen epidermal cells can be found.

### SPECIFIC TESTS

• **[MICROBIAL ENUMERATION TESTS \(61\)](#)** and **[TESTS FOR SPECIFIED MICROORGANISMS \(62\)](#)**: It meets the requirements of the tests for absence of *Salmonella* species and of *Escherichia coli*.

#### • SWELL VOLUME

**Sample:** Psyllium Hydrophilic Mucilloid for Oral Suspension, equivalent to 3.5 g of psyllium husk

**Analysis:** Transfer 250 mL of simulated intestinal fluid TS without enzymes to a glass-stoppered, 500-mL graduated cylinder. Gradually, with shaking, add the **Sample**, and shake until a uniform, smooth suspension is obtained. Dilute with the same fluid to 500 mL. Shake the cylinder for 1 min every 30 min for 8 h. Allow the gel to settle for 16 h (total time, 24 h). Determine the volume of the gel.

**Acceptance criteria:** NLT 110 mL

### ADDITIONAL REQUIREMENTS

• **PACKAGING AND STORAGE:** Preserve in tight containers.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
PSYLLIUM HYDROPHILIC MUCILLOID FOR ORAL SUSPENSION	<a href="#">Nam-Cheol Kim</a> Scientific Liaison	BDSHM2020 Botanical Dietary Supplements and Herbal Medicines
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	BDSHM2020 Botanical Dietary Supplements and Herbal Medicines

**Chromatographic Database Information:** [Chromatographic Database](#)

### Most Recently Appeared In:

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