

February 14, 2024

**Otsuka Pharmaceutical Factory launches a concentrated liquid diet product “HINEX<sup>®</sup> Jelly” as a new product with improved compositions and physical properties**

Otsuka Pharmaceutical Factory, Inc. (Head Office: Naruto, Tokushima, Japan; President and Representative Director: Shuichi Takagi; “Otsuka Pharmaceutical Factory”) has updated its concentrated liquid diet product “Hine<sup>®</sup> Jelly” with improved compositions and physical properties and will launch “HINEX<sup>®</sup> Jelly (“the product”),” as a new addition to the existing line of concentrated liquid diet products “HINEX”, on March 25, 2024.

The product is a semisolid (jelly-type) concentrated liquid diet product made with agar for persons whose standard calorie intake is 900 to 1500 kcal per day. By reference to the Dietary Reference Intakes for Japanese (2020), the product is intended to contain three major nutrients, vitamins and minerals in a well-balanced manner. In consideration of nutritional management for those with a low energy requirement, it is designed to almost fulfill the daily requirements of vitamins and trace elements with an intake of 900 kcal. It contains L-carnitine<sup>\*1</sup>, which is necessary for lipid metabolism, and inulin<sup>\*2</sup> as a food fiber source. Its physical properties have also been improved by reference to the viscosity which is expected to suppress gastroesophageal reflux<sup>\*3</sup>.


Hine Jelly, which was released in 2007, contains nutrients modified by reference to the Dietary Reference Intakes for Japanese (2005). The Dietary Reference Intakes for Japanese has been updated every five years, and the latest edition was issued in 2020. Furthermore, a solid is generally excreted more slowly from the stomach than a liquid and backflow into the esophagus rarely occurs. As semisolid concentrated liquid diet products become familiar, further investigation is being conducted to search for an appropriate viscosity. Based on such backgrounds, Otsuka Pharmaceutical Factory has developed the product so that it has better compositions and physical properties than those of Hine Jelly.

Otsuka Pharmaceutical Factory has marketed Hine Jelly Aqua, HINEX E-Gel, HINEX E-Gel LC, and HINEX RENUITE as concentrated liquid diet products and has been contributing to the nutrition status of patients. Otsuka Pharmaceutical Factory aims to be the best partner in clinical nutrition by further expanding its line of Medical Foods<sup>\*4</sup> and continuously providing information and products which are useful for proper nutritional management.

Based on the corporate philosophy of “Otsuka-people creating new products for better health worldwide,” the Otsuka Group is dedicated to contributing to the health of people around the world.

- \*1 L-carnitine: A micronutrient which plays an important role in production of energy from fat.
- \*2 A water-soluble plant fiber contained in a large amount in burdocks and onions and used as a sweetener and an additive in a variety of foods.
- \*3 Atsuya SHIMIZU: The Journal of Japanese Society for Parenteral and Enteral Nutrition 2018; 33 (1): 617-620
- \*4 We refer to the products that we have developed based on medical and nutritional grounds, and which play a role in healthcare, as “medical foods.”

## Product Information

Brand name	HINEX®Jelly
Product category	Concentrated liquid diet product (semisolid type)
Ingredients	Maltodextrin (manufactured in Japan), casein, sugar, vegetable oils, inulin, porcine collagen peptide, agar, medium-chain triglycerides, salt, yeast, carnitine, kombu extract/citric acid (Na), emulsifier, magnesium chloride, potassium hydroxide, calcium phosphate, vitamin C, flavors, vitamin E, ferric pyrophosphate, niacin, calcium pantothenate, vitamin B1, vitamin B2, vitamin B6, vitamin A, folic acid, vitamin K2, vitamin D, and vitamin B12 (This product contains milk components, soybean, and gelatin)
Flavor	Milk flavor
Packaging	300 g x 18 bags 
Nutrition facts (per bag)	Calories 300 kcal, protein 13.5 g, fat 8.3 g, carbohydrates 46.1 g (sugar 39.5 g, dietary fiber 6.6 g), salt equivalent 1.35 g Water 228 g
Suggested retail price (excluding tax)*5	5,940 JPY/300 g x 18 bags
Best before date	8 months after manufacturing date
Storage	The product can be stored at room temperature, but should preferably be stored in a cool place. Avoid storing in freezing environment or direct sunlight.
Distributor	Otsuka Pharmaceutical Factory, Inc.
Comarketed by	Otsuka Pharmaceutical Co., Ltd.

**Allergic substances (in 28 items)** Milk components, Soybean, Gelatin

\*5 The price is shown as a reference price.

## Company Profile

### Otsuka Pharmaceutical Factory, Inc.

Established	:	October 7, 1969 (founded September 1, 1921)
Capital	:	80 million yen
Representative	:	Shuichi Takagi, President, and Representative Director
Head Office	:	115 Kuguhara, Tateiwa, Muya-cho, Naruto, Tokushima 772-8601, Japan
Employees	:	2,318 (as of December 31, 2023)
Business Description	:	Manufacture, sale, import and export of pharmaceuticals, medical devices, and functional foods with a focus on clinical nutritional products.
URL	:	<a href="https://www.otsukakj.jp/en/">https://www.otsukakj.jp/en/</a>