



**Product Name:** Common Fenugreek Seed extract

**Latin Name:** Common Fenugreek l

**Part Used:** Fruit/ Seed

**Active Ingredient:** 4-hydroxyisoleucine 10%-50%/98% Trigonelline

**Test Method:** UV/HPLC

**Extraction method:** water/ alcohol extraction

#### Basic Information of:

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#### Our Extract Specifications:

Product Name/Code	Specification	Test Method
Common Fenugreek Seed extract	4-hydroxyisoleucine 10%-50%	HPLC/UV
	98% Trigonelline	HPLC
	4:1 10:1	TLC

#### What is

Fenugreek ( *Trigonella foenum-graecum*) is an annual plant in the family Fabaceae, with leaves consisting of three small obovate to oblong leaflets. It is cultivated worldwide as a semiarid crop, and its seeds are a common ingredient in dishes from the Indian subcontinent. Fenugreek is believed to have been brought into cultivation in the Near East. While Zohary and Hopf are

uncertain which wild strain of the genus *Trigonella* gave rise to domesticated fenugreek, charred fenugreek seeds have been recovered from Tell Halal, Iraq, (carbon dated to 4000 BC) and Bronze Age levels of Lachish and desiccated seeds from the tomb of Tutankhamen. Cato the Elder lists fenugreek with clover and vetch as crops grown to feed cattle. In the 1st century CE, in Galilee, it was grown as a food staple, as Josephus mentions it in his book, the Wars of the Jews. A compendium of Jewish oral law known as the Mishnah (compiled in the 2nd century) mentions the plant under its Hebrew name, tiltan.

**Function**

1. Regulate blood sugar and promote body building
2. Reduce cholesterol and protect heart
3. Bulk laxative and lubricates the intestines
4. Good for eyes and help with asthma and sinus problems
5. In traditional Chinese medical science, the product is for kidney health, expelling cold, cure abdominal distention and fullness, cure enteric hernia and cold damp cholera.

**Application:**

1. Fenugreek seed extract applied in Nutritional supplements
2. Fenugreek seed extract applied in Health food products
3. Fenugreek seed extract applied in Beverages
4. Fenugreek seed extract applied in Pharmaceutical products

