



SUNPURE EXTRACTS®
PRIVATE LIMITED



FENUTEIN™

FENUTEIN™ is a product developed by Sunpure Research Incubation Centre (SRIC) fulfils nutritional deficiencies with superior meal supplements. It is available in the powder form which is having multiple uses & applications. FENUTEIN™ is a product of Fiber, Protein, different vitamins & minerals without any bitter taste and without of any fat content. Consumer demands for non-artificial products, especially in the food sector, are rising. Devoid of synthetic flavouring and ingredients FENUTEIN™ could then be put in the clean and green label category. FENUTEIN™ process of development, clinical studies, pending patent (Patent application no.: 201911047224 A – Year 2019 and US DMF with US FDA) are readily available for review.

Specialities of FENUTEIN™

- De-Bitterised
- De-Fatted
- NMT 0.5% Fat
- High Protein
- High Fiber

Specifications of FENUTEIN™



PROTEIN

20%
NLT



HIGH FIBER

50%
NLT



INSOLUBLE FIBER

30%
NLT



SOLUBLE FIBER

20%
NLT

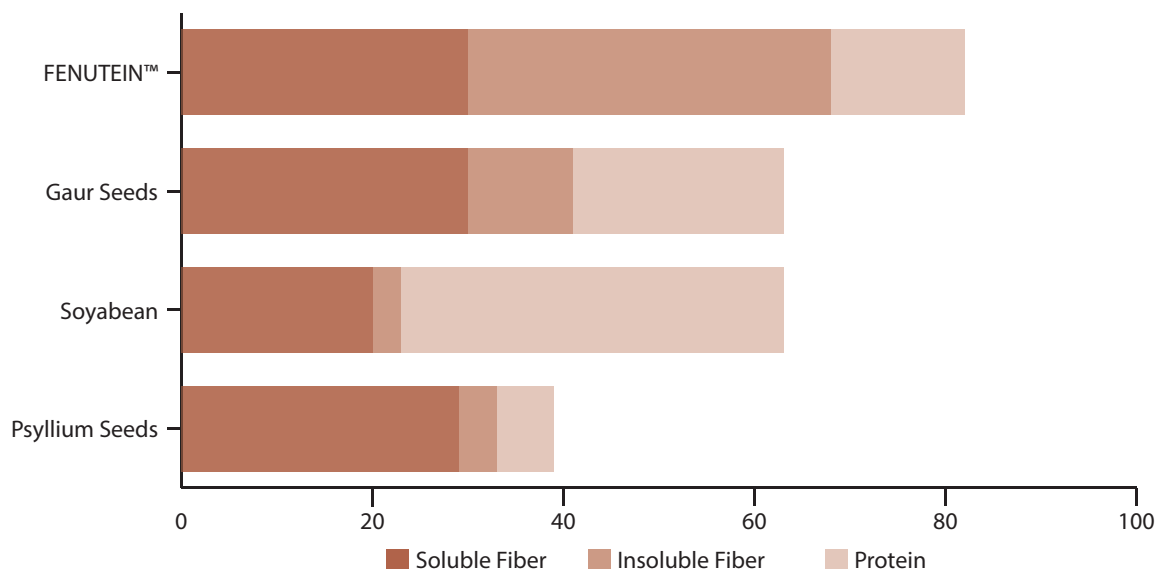
FENUTEIN™ is a powder extract of fenugreek seeds processed with a unique technique proposition, Sunpure Extracts Private Limited (Sunpure Research Incubation Centre) has applied for a patent (Patent application no.: 201911047224 A – Year 2019) pending for approval. The company aims to create a buzz with dynamic subject matter on Fenugreek and its positive applications. The de-bittered and de-fatted Fenugreek extract under the FENUTEIN™ brand contain essential amino acids, along with the richness of natural vitamins and minerals, but with a neutral/ bland taste keeping users satiated for longer periods so they do not begin to snack on unhealthy foods, is another distinguishing characteristic of FENUTEIN™.

Identification & Functionality

Ingredient Name	FENUTEIN™ Fenugreek Seeds Extract
Ingredient Origin	Natural Origin
Pharma & Nutraceuticals Functions	Fiber
Product Application	Pharmaceuticals & Nutraceuticals — Nutraceuticals & Supplements, Dietary Fiber, Food Ingredients, Nutrition & Fortification.
Form of Uses	Health bars Cookies, Flour for Breads, Tortillas, Nutritional Beverages. Ready to use Sachets, Tablets, Capsules and Gummies etc.

Comparison the composition of soluble and insoluble as well as protein components:

(Between FENUTEIN™ with other fiber products available in the market)



The above graph indicates that the FENUTEIN™ product contains essential amounts of both soluble and insoluble fiber as well as protein in required quantities when compared with other fiber products.

THE MAGIC OF FENUTEIN™



Manage diabetes



Aids weight management



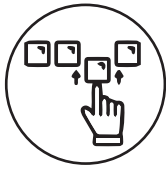
Regulates cholesterol



Supports hair & skin quality



Increased satiety



Increased fullness



Reduced desire to consume food



Reduced hunger



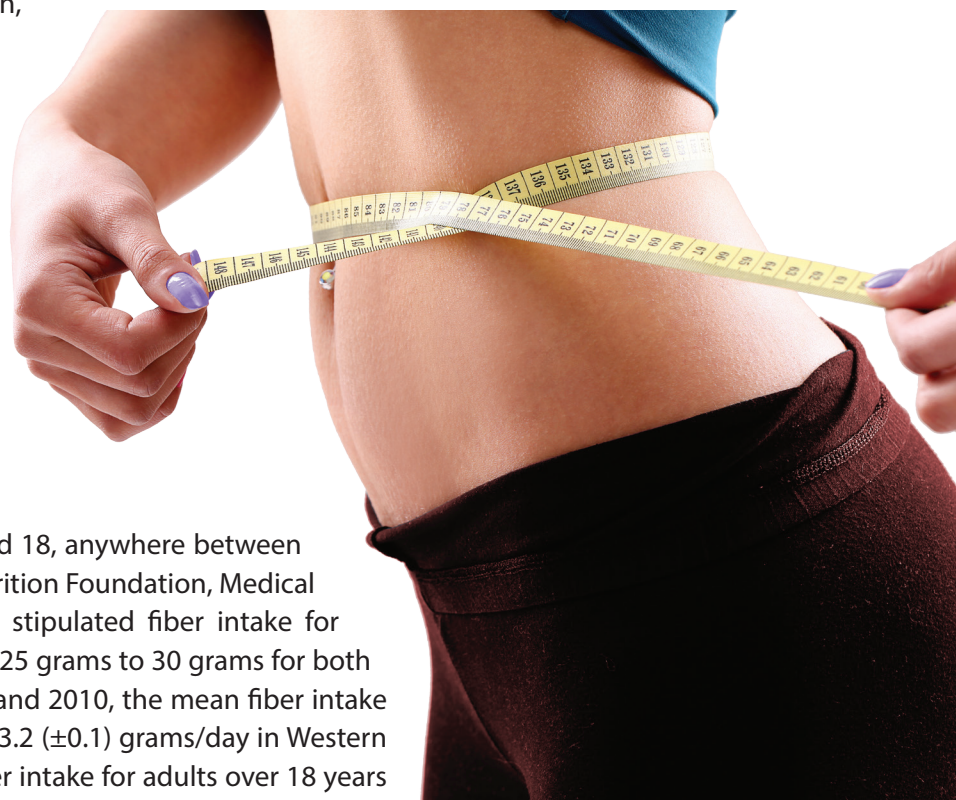
Reduced prospective food consumption

Why fiber is needed

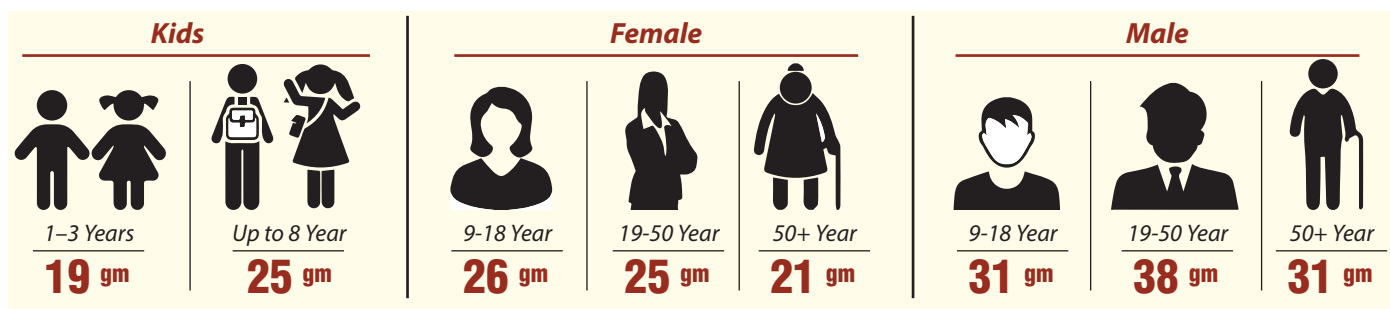
Fiber, which is essential for the health of the digestive system, has been vanishing slowly from breakfast, lunch and dinner. Until recently cereals, frozen foods appear in homes' pantries more often than organic, healthy food.

According to the Harvard School of Health, information on the Government of Victoria's website (Australia), Medical News Today and Mayo Foundation for Medical Education and Research, low intake of fiber can cause weight gain, which could lead to other lifestyle disorders, including vascular and diabetic concerns. There could be digestion-related disorders like constipation, irritable bowel syndrome or even hemorrhoids. Low fiber consumption can also lead to colon cancer. Chronic constipation, fecal inconsistency and diverticular disease are common complaints by people with very low fiber components in their body. Consumption of fiber foods is more important for older people, owing to the slowing down of digestive mechanisms, a literature review of a study - Nutrition in the Elderly: Role of Fiber, suggests. An article in SFGate (a San Francisco online publication) says "constipation is more common in the elderly due to reduced intestinal peristalsis or rhythmic contractions, inactive lifestyles and diets low in fiber".

Studies by the Harvard School of Public Health, and publications such as Medical News Today and Medline Plus – intake of both soluble and insoluble fiber is required for the human body to function well and stay healthy, as both types provide varying physiological functions. Infants can start eating small amounts of fiber when they are introduced to solid food. Per Medical News Today and the British Nutrition Foundation – on an average, children between one and five years of age require at least 14 to 15 grams of fiber every day, which will only increase with age. Between the age of 5 and 18, anywhere between 19 to 26 grams. According to the British Nutrition Foundation, Medical News Today and Nutrition Australia – the stipulated fiber intake for adults at an average is an average intake of 25 grams to 30 grams for both men and women. However, between 2001 and 2010, the mean fiber intake (annual) for children and adolescents was 13.2 (± 0.1) grams/day in Western countries such as the US, and the mean fiber intake for adults over 18 years was 16.1 (± 0.2) grams/day.



DAILY FIBER INTAKES RECOMMENDATION



Sunpure Extracts Private Limited understands the gap between the lack of fiber intake in an easy form and has developed FENUTEIN™.

FENUTEIN™ is manufactured from Fenugreek seeds to enhance fiber intake and aid in lifestyle disorders. It is de-bittered and de-fatted product to only bring to the market the nutritional value from the seeds, and make it palatable and easier to consume.

FENUTEIN™ is



Non-GMO



Gluten Free



Allergen Free



Vegan & Vegetarian

As per the study on similar products conducted on randomly grouped adults between the ages of 18 and 65, the subjects were asked to consume either 5 grams or 10 grams of product. They also were asked to fast in order to determine glucose and blood-sugar levels, before and after beginning the intake of the fiber flakes. Satiety and palatability of product were rated by the subjects on the basis of scores on questionnaires. The study also included crossover examinations where individuals taking 5 grams took 10 grams of flakes instead, and vice versa.

After a week, the study concluded that the product was safe to consume, as undesirable effects were not noticed. When the product consumed with a standard breakfast it had the ability to reduce hunger, increase satiety and also cut the desire to consume more food. Since appetite suppression is a task that product performs, it helps healthy individuals control their energy consumption.

Reference:

- [https://www.hsph.harvard.edu/nutritionsource/carbohydrates/fiber/;](https://www.hsph.harvard.edu/nutritionsource/carbohydrates/fiber/)
- <https://www.betterhealth.vic.gov.au/health/healthyliving/fibre-in-food;>
- <https://www.medicalnewstoday.com/articles/324153.php;>
- [https://www.hsph.harvard.edu/nutritionsource/carbohydrates/fiber/;](https://www.hsph.harvard.edu/nutritionsource/carbohydrates/fiber/)
- <https://www.medicalnewstoday.com/articles/324153.php;>
- <https://www.nutrition.org.uk/healthyliving/basics/fibre.html;>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4344579/>



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