

Fenugreek-FOS Formulation



Description	Specification	Method
Physical Characteristics		
Identification	Light yellow powder with characteristic odor	Visual
Colour	Pale yellow	Visual
Appearance	Powder	Visual
Powder Nature	Hygroscopic	Visual
Flavour/Odour	Characteristic odor	Organoleptic
Analytical		
Solubility	Water (Mostly Soluble)	In House Method
Dispersibility	Good	In House Method
Moisture (NMT)	6.0 %	By Karlfisher
Bulk Density	0.4-0.7	As per USP
Actives		
Fenugreek Extract - Steroidal saponins	NLT 10.0%	By Gravimetric
FOS	NLT 72.0 %	HPLC RI

Product Application

Fenugreek-FOS is free flowing, soluble and highly dispersible in water. Hence it is suitable for making functional foods and beverages. Fenugreek extract is used for diabetes in traditional medicines. Many clinical studies have been conducted on fenugreek seeds and its extracts on diabetes treatment and in glycemic condition. Literature suggests these extracts may be useful for those who are diabetic. These extracts are very bitter and application of these in food matrix can have a positive impact on taste. Fructo-oligosaccharides (FOS), a prebiotic has shown numerous health promoting effects like it improves calcium absorption and is a good source of fibre. This is a novel formulation of fenugreek extracts with FOS, which is in co-processed encapsulated form which masks the bitterness of extracts. This encapsulated extract formulation has been incorporated in different food matrix format to deliver this bitter tasting ingredient with tremendous health benefits.

Following health benefits are well known associated with Fenugreek and FOS.

Fenugreek Known for

- Anti-diabetic
- Maintaining blood sugar
- Digestive health
- Good health and overall wellness

FOSSENCE[®]

- Prebiotic Fiber
- Promotes Calcium Absorption
- Low GI
- Source of Fiber
- Gut & Digestive health

Possible application Fenugreek-FOS as nutraceuticals for wellness product given below

- Functional Foods • Nutritional Bars • Confectionaries • Baked products: Cookies, Cake etc • Dietary Supplements