

BIOPREX LABS

389 J M Road, Pune 411005 Telex: 91-20-24265368 Email: Info@bioprex.com

Gymnema sylvestre Extract

The extract is derived from the leaves of *Gymnema sylvestre* belonging to the family Asclepiadaceae. *Gymnema* has been used in India for the treatment of diabetes for over 2,000 years. The leaf powder stimulates the heart and the circulatory system, increases the secretion of urine, and activates the uterus. The major phytoconstituents are Gymnemic acid. Gurmarin, another constituent of the leaves and gymnemic acid have been shown to block sweet taste in humans. Some researchers have suggested gymnemic acid as one possible candidate responsible for antidiabetic activity.

Scientific Evidence

The leaf powder of *Gymnema sylvestre* and the alcoholic extract prepared from it cause hypoglycaemia in experimental animals when administered orally or by injection. This effect is not due to any direct influence on the carbohydrate metabolism, but to indirect stimulation of insulin secretion by the pancreas. No water-soluble or alcohol-soluble substance, which destroys glucose in vitro, has been identified in the leaves. Scientific studies have also reported its use as stomachic, stimulant, laxative and diuretic. It is said to be useful in cough, biliousness and sore eyes and more.

Specifications & Analysis	
DESCRIPTION :-	
Genus/Species	<i>Gymnema sylvestre</i>
Common Name	Gurmar
Part Used	Leaves
GMO STATUS	Non GMO
IRRADIATION STATUS	Non irradiated
Allergen Status	Allergen Free
Particle Size	100% through 80mesh
Color	Greenish brown
Solubility	Soluble in warm water clear solution free from foreign particles.
Analysis:	
Gymnemic Acid by GC and TLC	NLT 75 %
Loss On Drying	NMT 5 %
Heavy Metals:	
Lead :	NMT 5ppm
Arsenic :	NMT 5ppm
Mercury :	NMT 2ppm
Microbial:	
Total Plate Count :	NMT 1,000 cfu/gm
Yeast/Mould :	NMT 100 cfu/gm
E. Coli :	Absent
Salmonella :	Absent