



Maple Biotech Pvt. Ltd.

Works: J-253, M.I.D.C. Bhosari, Pune 411 037, India

Phone: + 91 20 27470010, Fax: + 91 20 27450510, Phone: +91 86699 59208

E-mail: sales@maplebiotech.co.in

Website: www.maplebiotech.co.in

MABITAB 3000 **Pregelatinized maize starch**

Versatile Excipient for capsule filling, direct compression and wet granulation

MABITAB 3000 is a new pregelatinized maize starch designed for pharmaceutical use. It has been developed as a filler for two-piece hard gelatin capsules. **MABITAB 3000** is a free-flowing and self-disintegrating powder with high bulk density, making it most suitable for this application. Excellent flow properties and bulk density allow homogenous filling of capsules. It is made from native starch by simple and unique physical modification which ensures rapid disintegration and drug release. **MABITAB 3000** particles action is well suitable for rapid disintegration and release of the drug from the pharmaceutical preparation.

MABITAB 3000 is superior starch excipient over Native Starch by virtue of its flow property and disintegration property.

APPLICATIONS:

- **FLOW AID**
- **DIRECT COMPRESSION**
- **BINDER FOR WET GRANULATION**

MABITAB 3000

1. Meets the requirements of EP, BP, USP, IP Monographs
2. Excipient of pure vegetable origin
3. No solvent used in process and free from OVI
4. Compatible with almost all active substances
5. Very Low Friability
6. Lubricant Requirement low or nil (Advantage in Drug Dissolution)
7. Acts as Disintegrant as well as Binder



Maple Biotech Pvt. Ltd.

Works: J-253, M.I.D.C. Bhosari, Pune 411 037, India

Phone: + 91 20 27470010, Fax: + 91 20 27450510, Phone: +91 86699 59208

E-mail: sales@maplebiotech.co.in

Website: www.maplebiotech.co.in

SPECIFICATIONS PREGELATINISED STARCH MABITAB 3000

TEST	SPECIFICATIONS
Description	A very fine, white or slightly yellowish powder, odorless and tasteless
Solubility	Swells in cold water
Identification	USPNF A,B,C
pH 3 gm in 100 ml carbon dioxide free water	4.5 to7 (Ph Eur, USPNF)
Residue on Ignition	max 0.6% (Ph Eur, USPNF)
Acidity	NMT 2 ml of 0.1 N NaOH required (USPNF)
Loss on Drying(at 130 degrees Centigrades) 90 minutes	Max 15% (Ph Eur, USPNF)
Heavy Metals	Max. 10 ppm
SULPHUR DIOXIDE	Max. 50 ppm
Oxidising Substances	Negative (Ph Eur, USPNF)
Organic Volatile Impurities	USP
Bulk Density	0.35 to 0.5 g/ ml
Iron	NMT 20 ppm
Retention on 40 mesh	NMT 1%
Total Aerobic Microbial Count Total Molds and Yeast Count	max. 1000 cfu/gm (Ph. Eur /USP) Max. 100 cfu/gm (Ph. Eur / USP)
E. Coli Salmonella	absent (Pharma Eur/ USP) absent (Pharma Eur/ USP)

Direct Compression Tableting

1. Superior Flow Properties ideal for Direct Compression tableting
2. Improves the Flow property of Powder Mixture
3. Low requirement of Lubricants

Wet Granulation:

MABITAB 3000 is soluble in cold water. It can therefore be employed as a binder-disintegrant in wet granulation, It improves hardness and disintegration time of the tablets. Use level about 15% is recommended in wet granulation tableting



Maple Biotech Pvt. Ltd.

Works: J-253, M.I.D.C. Bhosari, Pune 411 037, India

Phone: + 91 20 27470010, Fax: + 91 20 27450510, Phone: +91 86699 59208

E-mail: sales@maplebiotech.co.in

Website: www.maplebiotech.co.in

CAPSULE FILLER:

MABITAB 3000 is cost-effective filler and disintegration aid for hard gelatin capsules. Its physicochemical properties (Flow Property) are well suited to the requirements of an ideal capsule filler. The **MABITAB 3000** production process results in an appropriate density for this application. compared to native maize starch,