


**HYSWEL®**
**SODIUM STARCH GLYCOLATE IP/BP/USP**

**HYSWEL®** is a Super-disintegrant, due to faster disintegration property.

**ADVANTAGES**

**HYSWEL®** Having the Inert nature

**HYSWEL®** has also effective absorbing properties due to which it is used in Food Industry.

**HYSWEL®** disintegrates by absorbing water and gradually releasing drugs into the body.

**HYSWEL®** Less effect on compressibility and flow ability

**HYSWEL®** more effective intragranularly.

**DESCRIPTION**

Sodium Starch Glycolate is the sodium salt of a carboxymethyl ether of starch. The molecular weight is typically 500 000-11 000 000.

**Physical State**

Free flowing powder

**Appearance**

Very fine, white or off white powder

**Particle Size**

Granules ranging from 10-35  $\mu\text{m}$  in diameter

**Solubility**

Practically insoluble in water, insoluble in most organic solvents

**HYSWEL®** it is very hygroscopic in nature.

**SPECIFICATIONS**

**HYSWEL®** complies with the monograph for Sodium Starch Glycolate in the IP, BP and USP.

**Sodium Chloride**

Not more than 7.0%.

**Sodium Glycolate**

Not more than 2% w/w

**Heavy Metals**

Not more than 0.002% w/w.

**Iron**

Not more than 0.002% w/w

**Loss on Drying**

Not more than 10% w/w

**pH**

TypeA: NLT 5.5% NMT 7.5%

TypeB: NLT 3.0% NMT 5.0%

**Assay**

Type A: NLT 2.8% NMT 4.2%

Type B : NLT 2.0% NMT 3.4%




**HYSWEL<sup>®</sup>**
**SODIUM STARCH GLYCOLATE IP/BP/USP**
**Packing**

25 kg Woven Bag Or HDPE Drum.

**Storage**

Preserve in well closed containers, protected from variant temperature and humidity, which can cause caking.

**Shelf Life**

At least four years storage life from mfg. date.

**APPLICATION**

- **HYSWEL<sup>®</sup>**, used in oral pharmaceuticals as a disintegrant in capsule and tablet formulations.
- It is recommended to use in tablets prepared by either direct-compression or wet-granulation processes.

- **HYSWEL<sup>®</sup>** Increasing the tablet compression pressure also appears to have no effect on disintegration time.
- **HYSWEL<sup>®</sup>** investigated for use as a suspending vehicle.
- **HYSWEL<sup>®</sup>** effective at use levels of 2-8%. Disintegration occurs by rapid uptake of water followed by rapid and enormous swelling.