Technical Data Sheet

# V-DI-SOL ®

MARUTI CHEMICALS
Excellence in Excipients

## CROSSCARMELLOSE SODIUM BP/NF/USP

**V-Di-Sol®**
Croscarmellose sodium is an internally cross-linked sodium carboxymethyl cellulose (NaCMC) that aids in the disintegration and dissolution of pharmaceutical and dietary supplement tablets, capsules, and granules.

**V-Di-Sol®**
is now widely recognized as Super-disintegrant.

**V-Di-Sol®**
exhibits consistent disintegrative functionality due to its excellent water uptake and rapid swelling properties.

## ADVANTAGES

- Unmatched Purity
- Lower Use Levels (1 - 5%)
- Enhanced Long-Term Stability
- Broader Functionality

The cross-linked chemical structure of V-Di-Sol® creates an insoluble, hydrophilic, and highly absorbent excipient that results in exceptional swelling properties.

**V-Di-Sol®** has a dual mechanism for rapid disintegration and dissolution.

## DESCRIPTION

- White or almost White, Granular Powder
- Odourless or almost Odourless Hygroscopic.
- Practically, insoluble in acetone, in anhydrous ethanol and in toluene.
- Stable though hygroscopic material.

## SPECIFICATIONS

**V-Di-Sol®** complies with the monograph for Croscarmellose Sodium in the BPUSP and NF.

### Residual on Ignition
Not More Than 14.0% Not more than 28.0%

### Heavy Metals
Not more than 0.001% <231>

### Sodium Chloride and Sodium Glycolate
Not more than 0.5% .

### Water Soluble Content
Not more than 10.0%

### Degree of Subsitution
Not more than 0.60 Not less than 0.85, on dried basis.

### pH
Between 5.0 - 7.0

### Loss on Drying
Not More Than 10.0%

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### Packing
25 kg Drum Packing, HDPE Liner.

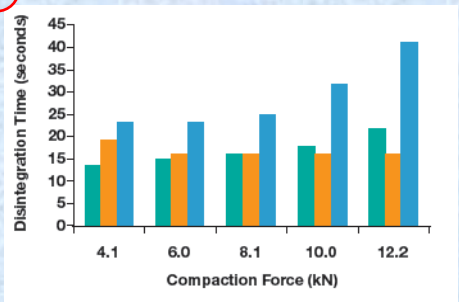
### Storage
Preserve in well closed container.

### Shelf Life
At least four years storage life from mfg. date.

## APPLICATION

- **V-Di-Sol®** ensures the rapid disintegration of orally disintegrating tablets (ODTs).
- **V-Di-Sol®** delivers excellent performance in roller compaction tablet formulations.

## Comparison with Other Super-disintegrants




V Di Sol
Crospovidone
Sodium Starch Glycolate

Through Graphical representation it is seen that the distegration time for the V Di Sol less Compared to all other disintegrants.

Disclaimer:

Our technical advice on the uses of our material is given without obligation. The buyer is responsible for the application and processing of our products. Technical data concerning our products are representative values for general guidance.

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