

Product name: CELLULOSE, NF/EP (Microcrystalline) (Flocel® 101)

Stock code: 0567

**Starting material:** Cellulose pulp obtained from wood. A number of tree varieties are utilized in the production of high purity cellulose pulp used for manufacturing microcrystalline cellulose for the pharmaceutical and nutraceutical industries. The timber resources used to make wood pulp are referred to as pulpwood. Wood pulp comes from softwood trees such as spruce, pine, fir, larch and hemlock, and hardwoods such as eucalyptus, aspen and birch. Some pulping processes use the entire tree, while others use parts of the tree that cannot be used to make lumber. The trees are harvested in accordance with best practices, chipped, aged, and processed to make high-purity alpha-cellulose pulp. The manufacture selects the appropriate pulp for the production of microcrystalline cellulose. The pulp goes through several processing steps to make the finished product. As such, the finished product, microcrystalline cellulose, is a highly refined and purified cellulose product, meeting pharmaceutical standards.

**BSE/TSE:** Based on the ingredients, the product is in compliance with the note for the guidance on minimizing the risk of transmitting animal spongiform encephalopathy agents via human and veterinary medicinal products.

**GMO**: not genetically modified.

**Allergen:** Please note that there may be several steps before the raw material is produced and access to data on manufacturing raw materials is not easily obtained for the starting materials and intermediates used in the production process. The following items are not used in the manufacturing process of the product, and although manufacturer does not specifically assay for the presence of the items below, it is unlikely that any traces of these items are present in the starting materials or in the final product.

The product is unlikely to contain the following -
☐ Cereals containing gluten and products thereof
☐ Corn and products thereof
☐ Celery and products thereof
Soybeans and products thereof
☐ Fish and crustacean shellfish and products thereof
☐ Eggs and products thereof
☐ Dairy Products (Milk, Lactose, Caseinates, Whey)
□ Peanuts and products thereof
☐ Tree nuts (oils) or derivatives
Mustard and products thereof
Sesame Oil
□ Preservatives
Sulfites >10ppm
Artificial Colours and Flavours
■ Beef/Chicken/Pork derivatives
☐ Latex

This statement is provided for **informational purposes** only, as instructed to Medisca by the manufacturer, and is not meant to be a guarantee of absence of the above stated allergens.

Salutations

The MEDISCA Team

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