

What makes BK Giulini's calcium sulphate dihydrate so valuable and versatile?

Because of differences in the properties of the available raw materials and their sources variations occur, from time to time, in the properties of natural products. Synthetic products, such as Giulini's calcium sulphate dihydrate Luxopharm[®] avoid such difficulties by using constant production conditions.

A uniform product without quality variations can, therefore, be offered. The high purity of the calcium sulphate dihydrate Luxopharm[®] should also be mentioned as being an excellent property. The absence of sandy and siliceous components in contrast to natural calcium sulphate dihydrates is worthy of mention. These impurities can cause discoloration of the tablets and, because of their hardness, accelerate wear of the tableting installations.

Calcium sulphate dihydrate Luxopharm[®] is a pure inorganic compound and significantly more resistant to oxidative influences than organic tablet diluents.

Since calcium sulphate dihydrate Luxopharm[®] does not contain any metabolizable organic components it does not constitute a nutrient medium for bacteria. Both these properties make it possible to store the material for years. The manufacturing process, consisting of controlled crystal growth, makes possible the production of many grades of calcium sulphate dihydrate Luxopharm[®] and, hence, an optimal adjustment of the product to the requirements of subsequent manufacturing processes. Thus, alongside the crystal size, the pH of the aqueous suspension and the water content of the crystals can be adjusted to meet the necessary requirements.

Therefore, a versatile tablet diluent is available in calcium sulphate dihydrate Luxopharm[®] which meets the qualitative requirements of a pharmaceutical raw material and makes trouble-free manufacture possible.