

## Analysis of active components of various forms of medication

In the pharmaceutical technology (formerly galenics) one is occupied with the production of various pharmaceutical forms like for example tablets, pastilles or dragées

### Drug analyses for quality assurance

In these the desired active pharmaceutical ingredients are added. In order to verify in regards to quality management that the desired amount of pharmaceutical ingredients was added in a tablet, an element analysis is performed. Hereby the tablet is pulverized.

### Comminution with the Mortar Grinder

With the **FRITSCH Mortar Grinder PULVERISETTE 2**, 10-20 tablets are ground. In order for no ingredients to disappear due to the application of energy, the mortar mill is the proper choice. The grinding action of the pestle does not increase the temperature during the grinding process. The pharmaceutical ingredients remain constant. After a grinding duration of 1-5 minutes a homogenous powder is achieved with a particle size of < 100 µm.

We recommend grinding sets made of agate or hard porcelain. Even dragées or coated tablets may be ground. But here sometimes the coating is not ground perfectly.



Abb. 1: Mortar Grinder PULVERISETTE 2

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