

**Description**

*GGU-SIEVE - evaluation and presentation of grain size distribution via:*

- wet analysis
- sieve analysis
- combined wet and sieve analysis, with output as a protocol form or as a diagram

**Capabilities:**

- Presentation of grain size categories as %
- Calculation of uniformity coefficients and coefficients of curvature
- Filter criteria according to Terzaghi/USBR
- Determination of transmission constant according to Hazen, Beyer, Mallet/Paquant, Seelheim
- Determination of grain characteristic number
- Soil type according to SEP
- Soil group and frost resistance according to USCS.
- Angle of internal friction (estimation according to Lang/Huder)
- Choice of defined sieves
- Input of sieve refuse in [g] or in [%]
- User definable densimeter values
- Sieving before or after sedimentation
- Grain distribution can be graphically altered (e.g. adjustment of transition from wet branch to sieve branch)
- Free design of form



