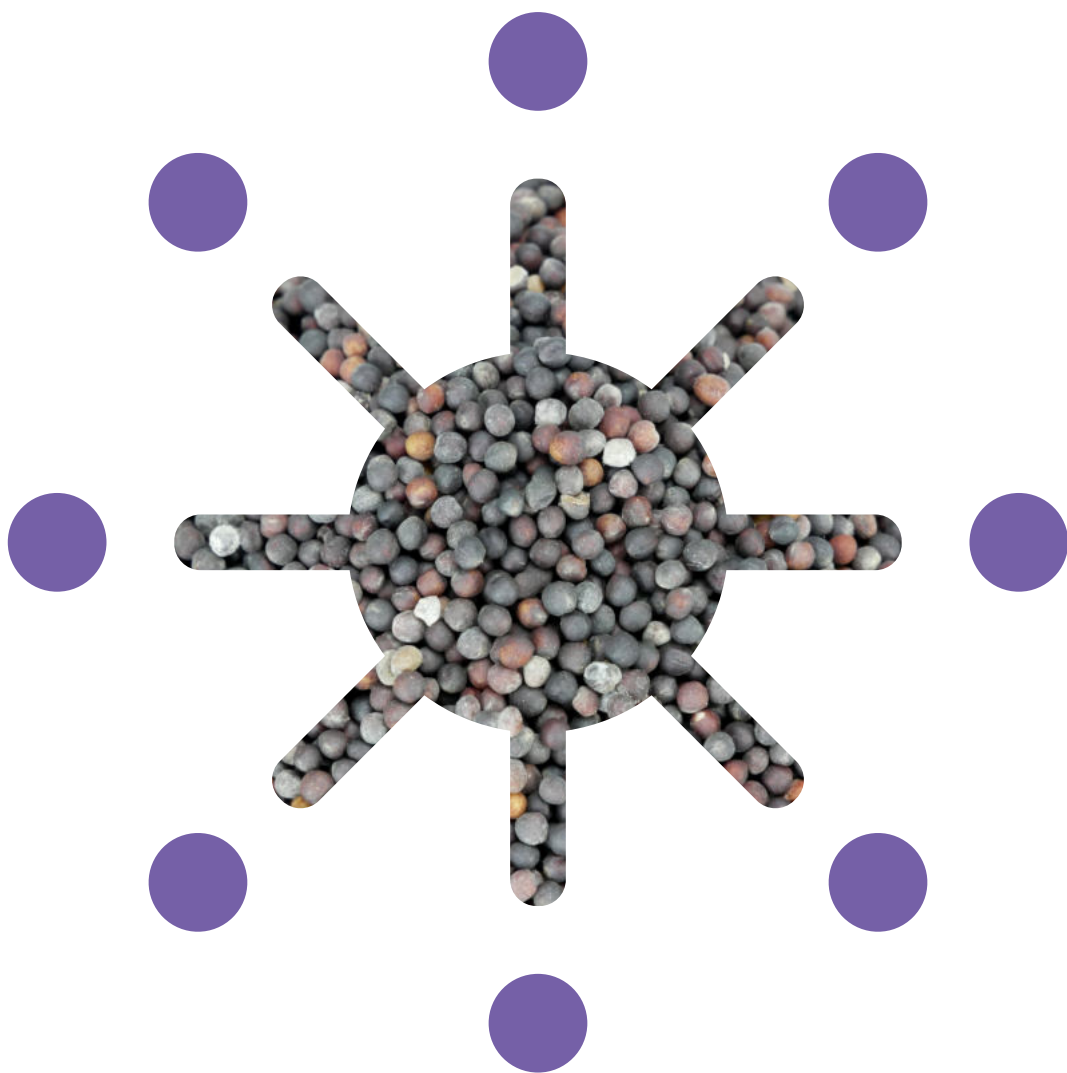


# Application Note

## Rapeseed Products with the SpectraAnalyzer



## Measuring whole grain and pellets

Inhomogeneous products such as whole grains must be analyzed in the *Rotating Cup Drawer*. This increases the surface area and an average over all grains can be determined. A special designed *Rotating Cup* ensures reliable measuring results.

Parameter in whole rapeseed	Range
Protein	40 % - 45 %
Moisture	10 % - 20 %
Oil	20 % - 25 %



## Measuring ground grain, flour and meal

For the simple and clean measurement of homogeneous samples, such as ground grains and powders, Zeutec also provides a sample container, the so-called *Closed Cup*. Zeutec also offers a mill for grinding the grains.

Parameter in ground rapemeal	Range
Protein	35.1 % - 43.9 %
Moisture	6.7 % - 10.4 %
Oil	2.2 % - 8.3 %

Parameter in ground rapeseed	Range
Moisture	0 % - 19.1 %
Oil	0 % - 29.6 %



## Measuring oil

Viscous samples like oil and glycerin can be easily presented and analyzed in the *slide cup*, high viscous products like mucilage in the *viscous cup*.

Parameter in raw glycerin	Range
free acids	0 % - 0.25 %
glycerin	75.72 % - 99.97 %
moisture	0 % - 17.57 %

Parameter in mucilage	Range
residual oil	3.1 % - 52.9 %

