



Gütegemeinschaft  
Substrate für Pflanzen e.V.

## Quality criteria for growing media

### Physical properties

- Structure (fine - medium - coarse)
- Percentage oversized grain (>10 mm, >20 mm, >40 mm)
- Bulk density

### Chemical properties

- pH value
- Salinity
- Soluble nutrients  
Nitrogen (NH<sub>4</sub>-N + NO<sub>3</sub>-N),  
Phosphorous (P<sub>2</sub>O<sub>5</sub>),  
Potassium (K<sub>2</sub>O)
- Sodium (Na), Chloride (Cl)

### Chemical properties

- Free of growth inhibiting substances
- Largely free of weed
- Safely stabilized N in organic ingredients

## Contact

For more information, please contact

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## RAL-Quality Assurance for Growing Media

The formula for your business success



[www.substrate-ev.org](http://www.substrate-ev.org)





## RAL - Quality Assurance for Growing Media

### Producer's inspection of incoming constituents for growing media and ingredients

- Document the chemical, physical and biological properties
- Take reference samples
- Do inspections during storage

### Producer's continuous inspections of growing media during production

- pH value
- Salinity

### Gütegemeinschaft Substrate für Pflanzen e.V.'s continuous, neutral monitoring of growing media

- Approved third-party laboratories analysing the chemical, physical and biological properties
- Revision of in-house during production checks
- Revision of incoming goods inspections
- Neutral group of GGS, the technical committee experts evaluating the quality monitoring



**Continuous neutral monitoring of everything from raw material to finished product!**

