

**Technical Datasheet**
***Aqua-multolite***
**QMS-No.  
GBT41111**
**General**

*Aqua-multolite* is an aluminosilicate known as *clinoptilolite*. During production this product is just crushed, separated from impurities and sieved. Its sodium Na and potassium K components arrange for ion-exchange of ammonium and several toxic heavy metals from water and solutions.

*Aqua-multolite* has a skeletal structure resulting in channels of macro-size, which allow adsorption of ammonia and organics

**Applications**
**Ion-exchange**

Removal of ammonia by ion-exchange and (with increasing  $\text{NH}_4^+$ -concentrations) adsorption from

- (fish-)ponds,
- fish-transport systems,
- swimming-pool water.

**Adsorption**

- of heavy metal ions  $\text{Pb}^{2+}$ ,  $\text{Cd}^{2+}$ ,  $\text{Zn}^{2+}$  and  $\text{Cu}^{2+}$  and
- organics.

**Prevention of excessive population of**

- phyto-plankton, algae and bacteria in (fish-) ponds.

**Chemical analysis**

		Average figures
$\text{SiO}_2$	mass-%	66
$\text{Al}_2\text{O}_3$	mass-%	10 - 13
$\text{Fe}_2\text{O}_3$	mass-%	0.5 - 1.1
MgO	mass-%	0.4 - 0.6
CaO	mass-%	1.3 - 1.6
$\text{Na}_2\text{O}$	mass-%	3.3 - 4.3
$\text{K}_2\text{O}$	mass-%	1.8 - 2.3
$\text{H}_2\text{O}$	mass-%	13 - 14

**Physical characteristics**

<b>Density</b>	$\text{g/cm}^3$	1.6
<b>Bulk density</b>	$\text{kg/m}^3$	approx. 900

**Shape** broken, irregular

**Sizes available** 1.0-3.0 mm and 3.0-5.0 mm, other sizes on request.

**Packaging**

- 25 kg plastic-bags, palletised, shrink-wrapped.