

Technical Datasheet	<i>Aqua-multolite</i>	QMS-No. GBT41111
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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 NH₄⁺-concentrations) adsorption from

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

Adsorption

- of heavy metal ions Pb²⁺, Cd²⁺, Zn²⁺ and Cu²⁺ and
- organics.

Prevention of excessive population of

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

Chemical analysis

		Average figures
SiO ₂	mass-%	66
Al ₂ O ₃	mass-%	10 - 13
Fe ₂ O ₃	mass-%	0.5 - 1.1
MgO	mass-%	0.4 - 0.6
CaO	mass-%	1.3 - 1.6
Na ₂ O	mass-%	3.3 - 4.3
K ₂ O	mass-%	1.8 - 2.3
H ₂ O	mass-%	13 - 14

Physical characteristics

Density	g/cm ³	1.6
Bulk density	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.