



Granular Ferric Hydroxide for Mineral and Table Water

- ✓ Removal of unwanted substances from mineral water
- ✓ Treatment of spring water and therapeutic water

■ Product Description

High standards on water quality with limits, well below the legal requirements?

We recommend GEH® 103. It safely adsorbs harmful substances in the mineral and table water production. At the same time it retains the valuable mineralization of the waters. With our certified quality management in accordance with ISO 9001:2015 we guarantee the performance of GEH® for the treatment of mineral and table water. Of course, the adsorbent complies with DIN EN 15029 and the NSF/ANSI Standard 61. In addition, we have our product regularly tested by an independent laboratory.

GEH® 103, for the highest demands on water.

■ Target Substances

Contaminants, which are removed by GEH® 103 from water:

- | | |
|-------------------|--|
| ➤ Arsenic (As) | ➤ Vanadium (V) |
| ➤ Copper (Cu) | ➤ Zinc (Zn) |
| ➤ Molybdenum (Mo) | ➤ Hydrogen Peroxide (H ₂ O ₂) |
| ➤ Lead (Pb) | ➤ Hydrogen Sulfide (H ₂ S) |
| ➤ Antimony (Sb) | ➤ Phosphate (PO ₄) |
| ➤ Uranium (U) | ➤ Silicate (SiO ₄) |

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■ Properties

Chemical composition	$\beta\text{-FeOOH}$ and $\text{Fe}(\text{OH})_3$
Dry solid content	58 % (± 10 %)
Iron content, relative to dry solids	600 g/kg (± 10 %)
Particle size range	0.2 – 2.0 mm
Overflow fraction	< 10 %
Total overflow and undersize fraction	< 20 %
Bulk density, backwashed	1150 kg/m ³ (± 10 %)
Specific surface area (BET-method)	approx. 300 m ² /g

■ Transport and Storage

The packaging takes place in big bags or plastic drums, whereby the filling quantities are directed to the individual customers' needs.

The product is stable and can be stored for at least one year. To prevent the material from drying out, the big bags should be closed and, if possible, not stored outdoors. Outdoor storage is possible in plastic bags or protected from direct sunlight and at moderate temperatures (0 - 25° C). The big bags must not be stacked.

■ Individual Application Advice

Every application in water treatment has its own special requirements. A meaningful dimensioning of the plant and definition of the operating conditions can only be made after examining the individual case. The recommendations contained in this data sheet are therefore legally not binding. We will gladly advise you in detail on your application.

In addition, the General Terms and Conditions of GEH Wasserchemie GmbH & Co. KG apply.



Quality management system certified
in accordance with ISO 9001:2015

