

Non Toxic Reagents! For SEIBOLD Online-Analyser for Heavy Metals.

Reagents and chemistry used with SEIBOLD COMPOSER Analysers are free from toxic compounds. Our "Green Thumb" project started in 2006 and delivered its first products in 2008. In 2011 the complete model range of SEIBOLD COMPOSER Analyser for Heavy Metals has been introduced to the market.

SEIBOLD's Analyser series COMPOSER is based on spectrophotometric technology. Measured concentration is a function of colour, formed by a complex of metal and reagents (buffer and dye). All photometric laboratory standard methods for heavy metal analysis are based on toxic and hazardous chemicals.



Installation: Drinking Water Plant

Many of our clients in drinking water plants state the strong wish for non toxic

Most wanted Online Analyser for Drinking Water:

SEIBOLD COMPOSER for Iron Joseph von Eybler 0.01-2.00 mg/L Fe^{+2/+3}.

SEIBOLD COMPOSER for Manganese Georg C. Wagenseil 0.005-1.000 mg/L Mn.

SEIBOLD COMPOSER for Fe/Mn Joseph Lanner ranges: see above.

SEIBOLD COMPOSER for Aluminium Franz von Suppé 0.005-1.00 mg/L Al.

reagents to reduce risk of operation and production.

The global trend towards green products for environmental care additionally supports this initiative. In 2006 SEIBOLD started with investigation and development of new reagents for heavy metal analysis.

We started this development process for our for Iron and Manganese analysers. Besides already existing Copper/Nickel and Copper/Zinc analysers, new combined Online-Analyser for Iron/Manganese, SEIBOLD COMPOSER Joseph Lanner, is introduced now.

After many tests and trials the reagent development is completed for the following heavy metals:

- Arsenic (As)
- Iron (Fe^{2+/3+})
- Manganese (Mn)
- Chromate (Cr⁶⁺)
- Copper (Cu)
- Cadmium (Cd)
- Lead (Pb)
- Nickel (Ni)
- Zinc (Zn).

Non toxic reagent is beside real online analysis and robustness on of three basic design criteria. These design criteria are responsible for low total cost of measurement (TCM). Costs for shipping, handling and wasting of non toxic liquids are reduced.

Fortunately this reagent set is available also for other vendor's analysers. Please ask if your vendor of choice is supported.