

Micro Water Plant UG  
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## TEST REPORT AB1608153-Ü/PBMROH21-ra

Client:	Micro Water Plant UG
Client address:	Bahnhofstr. 11a, 73466 Lauchheim
Sampling location:	Holunderweg 18, 91189 Rohr
Sampler:	Auftraggeber
Sampling date:	08-03-2016 - 08-08-2016
Date of receipt:	08-03-2016 - 08-08-2016
Testing period:	08-03-2016 - 08-10-2016

### Test Result Drinking water

Sampe name						Ursprung
Sample number						AP1632199
Sampling date						08-03-2016
Sampling location						Rohr
Parameter		Method	Unit	Limit		
Colony count at 22 °C	ANS	TrinkwV 2001 (2011) Anl. 5 l d) bb)*	1/ml	100	>3.000	
Colony count at 36 °C	ANS	TrinkwV 2001 (2011) Anl. 5 l d) bb)*	1/ml	100	>3.000	
Coliform germs	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	1	
E.coli	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	0	

It is not allowed to copy the test report in extracts without written approval of the laboratory.  
 The test results relate only to the samples specified above. ■ The accreditation does apply for the methods in the test report marked with \*.

 Zugelassen nach  
 AbfKlärV, BioAbfV, DüngeV  
 Untersuchungsstelle nach  
 §15 Abs. 4 TrinkwV

 Untersuchungsstelle nach  
 §18 BBodSchG  
 Messstelle nach  
 §§26, 28 BImSchG

 Gegenprobensachverständige  
 nach § 43 LFGB  
 Zertifiziert nach  
 AQS-Leitstelle Bayern

 Akkreditiert nach  
 DIN EN ISO/IEC 17025


## Bakteriologie gem. TrinkwV 2001

### Test Result Drinking water

Sampe name					Probe 1	Probe 24	Probe 48
Sample number					AP1632198	AP1632500	AP1632501
Sampling date					08-03-2016	08-05-2016	08-05-2016
Sampling location					Rohr	Rohr	Rohr
Parameter		Method	Unit	Limit			
Colony count at 22°C	ANS	TrinkwV 2001 (2011) Anl. 5 l d) bb)*	1/ml	100	>3.000	>3.000	4
Colony count at 36°C	ANS	TrinkwV 2001 (2011) Anl. 5 l d) bb)*	1/ml	100	2.800	>3.000	28
Coliform germs	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	8	0	0
E.coli	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	0	0	0

## Test Result Drinking water

Sampe name				Probe 96	Probe 120
Sample number				AP1632766	AP1632767
Sampling date				08-07-2016	08-08-2016
Sampling location				Rohr	Rohr
Parameter		Method	Unit	Limit	
Colony count at 22 °C	ANS	TrinkwV 2001 (2011) Anl. 5 I d) bb)*	1/ml	100	3
Colony count at 36 °C	ANS	TrinkwV 2001 (2011) Anl. 5 I d) bb)*	1/ml	100	47
Coliform germs	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	0
E.coli	ANS	Colilert(R)-18/ Quanti-Tray(R)*	1/100ml	0	0

ANS: External analytics Analytik Institut Rietzler GmbH, 91522 Ansbach

### Task:

The re-germination potential of a filter cartridge should be tested.

For this purpose, a germ-infested sample ("Ursprung") was given to the filter cartridge by the customer, and a sample was removed from the filter outlet and sent to the laboratory immediately afterwards (Probe 1) and then after 24, 48, 96 and 120 hours.

### Result:

Both the sample "Ursprung" and "Probe 1" showed a concentration above the limit value of the drinking water regulation for both the colony number at 20 °C. and 36 °C. as well as the coliform germs. Even after 24 hours the colony numbers were still significantly increased. For the other samples, the specifications of the Drinking Water Ordinance were complied with for the measured parameters.

It is therefore found that the filter is not permanently microbiologically contaminated by impure water.

Analytik Institut Rietzler GmbH, Nuremberg, 10-11-2016



ppa. Roland Auernheimer  
Dipl.-Ing. (FH)  
- Laborleitung -