

# Wasserversorgung Malters

## Analysewerte Sammelquellen (Einlauf Reservoir Wipfern)

	Jahr	31.3. 2003	12.4. 2005	7.6. 2006	8.5. 2007	17.7. 2008	9.4. 2009	6.5. 2010	26.5. 2011	23.5. 2012	4.6. 2013	11.2. 2014	5.5. 2015	21.4. 2016	21.4. 2017	11.4. 2018	30.4. 2019	18.3. 2020	31.3. 2021	17.3. 2022	28.3. 2023	16.4. 2024	Werte Grundwasser	Mittelwert für Malters
		pH-Wert		7.9	7.8	7.9	8	7.9	7.9	7.8	7.7	7.7	7.7	7.8	7.6	7.9	7.8	7.8	7.8	7.8	7.9	7.8	7.7	8.1
El Leitfähigkeit	µs/cm	416	410	381	406	386	411	409	394	425	402	429	409	419	415	469	467	467	472	469	480	452	423	437.5
Trübung	TE/F			0.06	0.10	1.90	0.10	0.10	0.40	0.60	0.10	0.10	0.36	0.11	0.20	0.10	0.18	0.10	0.10	0.10	0.10	0.17	<0.10	<0.14
Oxidierbarkeit	KMnO4 mg/l	1.2	1.1	1.1	1.0	1.2	1.0	1.1	1.1	1.0	1.0	0.6	0.5	1.3	0.6	0.1	1.0	0.4	0.4	0.6	0.7	<0.4	1.1	0.8
DOC ab2018 TOC <	mg/l	0.5	0.5	0.5	0.5	2.9	0.5	0.5	0.6	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.4	0.3	0.4	0.3	0.3	0.5	0.4
Gesamthärte	frz. H°	24.8	23.8	23.3	23.8	23.0	24.2	24.4	24.1	24.7	23.3	24.4	23.9	24.3	24.6	24.5	24.5	24.3	24.3	24.6	24.7	24.3	21.5	22.9
Karbonathärte	frz. H°	23.3	22.5	21.9	22.5	22.1	22.9	23.2	23.2	23.8	22.2	23.3	23.2	23.6	23.8	23.6	23.6	23	23.1	23.7	23.8	23.4	20.4	21.9
Bleibende Härte	frz. H°	1.5	1.3	1.4	1.3	0.9	1.3	1.2	0.9	0.9	1.1	1.1	0.7	0.7	0.8	0.9	0.9	1.3	1.2	0.9	0.9	0.9	1.1	1
Hydrogenkarbonat	mg/l												283	287	290	288	289	281	281	289	291	286	249.0	267.5
Calzium	mg/l	73	70	68	71	68	73	73	71	71	65	72	68	71	74	71	73	71	71	73	72	73	74	73.5
Magnesium	mg/l	16	16	15	15	16	15	15	15	17	18	16	17	16	15	16	15	16	16	16	16	15	7.4	11.2
Natrium	mg/l	4.2	4.2	4	4.2	4.3	4.1	4.3	4.1	5.0	4.5	4.1	4.4	4.3	4.2	4.2	4.1	3.9	4.3	4.4	4.3	4.3	6	5.2
Kalium	mg/l	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1.0	2.0	1.5
Ammonium	<mg/l	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.005	0.005	0.005	0.005	0.010	0.010	<0.01	<0.01	<0.01
Nitrit	<mg/l	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.000	<0.006	<0.003
Chlorid	mg/l	2.4	2.3	2.3	2.2	2.1	1.9	2.0	2.1	2.5	2.4	2.4	2.1	2.1	1.9	1.9	2.2	2.5	2.5	2.6	2.6	2.4	6.3	4.4
Nitrat	mg/l	9.5	11.6	13	13	11	9.6	8.1	8.5	7.6	9.6	12	9.2	7.8	7.5	8.4	8.1	11	11	9.4	9	8.5	5.8	7.15
Sulfat	mg/l	11	12	11	11.0	12.0	11.0	11.0	11.0	10.0	10.0	10.0	9.5	10.0	9.0	9.9	10.0	11.0	9.9	9.0	10.0	9.2	12	10.6
Ortho-Phosphat	mg/l	0.006	0.008	0.014	0.005	0.010	0.009	0.011	0.010	0.019	0.017	0.01	0.013	0.012	0.009	0.007	0.007	0.008	0.006	0.006	0.007	0.008	0.0	0.008