Quantitative chemical Analysis

Gerolsteiner Naturell

Excerpt from the **approval analysis** done by the Fresenius Institute, dated February 6th 2002. Besides continuous controls by the company laboratory, regular **control analyses** are conducted by the Fresenius Institute.

One liter of „Gerolsteiner Naturell" water contains:

	Mass Concentration mg/l	**Equivalent Concentration mmol/l**	**Equivalent Part %**
Cations			
Lithium (Li^+)	0.013	0.0019	0.02
Sodium (Na^+)	11.50	0.5002	4.31
Potassium (K^+)	3.00	0.0767	0.66
Ammonium (NH_4^+)	0.04	0.0022	0.02
Magnesium (Mg^{2+})	49.00	4.032	34.73
Calcium (Ca^{2+})	140.00	6.986	60.17
Strontium (Sr^{2+})	0.49	0.0112	0.10
Sum	**204.0**	**11.61**	**100.0**
Anions			
Fluoride (F^-)	0.18	0.0095	0.08
Chloride (Cl^-)	8.90	0.2510	2.18
Nitrate (NO_3^-)	7.90	0.1274	1.11
Sulfate (SO_4^{2-})	20.00	0.4164	3.62
Hydrogen carbonate (HCO_3^-)	652.00	10.69	93.00
Sum	**689.0**	**11.49**	**100.00**