



**Certification agency**

**GAMMA**

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Accreditation No GEO-268-20503772-  
03.1-022

**CHEMICAL AND BACTERIOLOGICAL ANALYSIS OF MINERAL WATER # 229**

11.10.2004

**Sample name :** Georgian natural mineral water "Nabeghlavi" (Production 1.0L PET)

**Customer :** "Healthy Water " LTD

**Results**

pH 6.45  
Color 0  
Odor 0  
Taste 2  
Turbidity 0  
Conductiv (S/m) 0.5254

Hardness 16.877 mg-Eq  
Fr. Alkalinity ND  
Free CO<sub>2</sub> 0.38%  
C.O.D(mg/l O) 1.12  
Dry residue (mg/l) 4060.518  
Summary SiO<sub>2</sub> (mg/l) 78.286

Cations			
Ion	mg/l	mg-Eg	mg-Eg%
NH <sub>4</sub>	0.500	0.0278	0.04
Ca	140.000	7.0000	9.61
Mg	120.000	9.8765	13.56
Na	1275.00	55.6769	76.43
K	5.000	0.1282	0.18
Li	0.560	0.0807	0.11
Sr	2.000	0.0457	0.06
Pb	N.D.	N.D.	N.D.
Cd	N.D.	N.D.	N.D.
Fe	0.100	0.0054	0.01
Cu	0.003	0.0001	0.00
Zn	0.009	0.0003	0.00
As	N.D.	N.D.	N.D.
Ba	N.D.	N.D.	N.D.
Sum	1543.37	72.8487	100%

Anions			
Ion	mg/l	mg-Eg	mg-Eg%
F	0.360	0.0189	0.03
Cl	91.816	2.5900	3.43
HCO <sub>3</sub>	4267.560	69.9600	92.69
CO <sub>3</sub>	N.D.	N.D.	N.D.
SO <sub>4</sub>	138.500	2.8854	3.82
NO <sub>2</sub>	0.350	0.0076	0.01
NO <sub>3</sub>	0.880	0.0142	0.02
Sum	4499.466	75.4762	100%

Radioact.	Bk/l	Org. toxic	mg/l
α	<	Phenols	ND
β	<	Pesticides:	
		A-HCCH	ND
		G-HCCH	ND
		DDT	ND
		DDE	ND

< ND>- Not Detectid, <->-Not measured, <-Background level

mineralization (mg/l): 6159.318

### Results of Bacteriological Analysis

Determinant and methods for detection	Standard rate	Factual value
1 Mezophylic aerobes and facultative anaerobes 1g(ml)	37 <sup>0</sup> C-20 22 <sup>0</sup> C-100	ND ND
2 Coliforms (333 ml)	<3	<3
3 Pathogen microorganisms, including Salmonella (in 100 ml)	N/A	ND
4 Sulphite- reducing Clostridia (in 250 ml)	N/A	ND
5 Pseudomonas aeruginosa (in 1000 ml)	N/A	ND
6 Streptococcus fecalis (250 ml)	N/A	ND

The work Leadership



R.Khargelia