

Certification agency

GAMMA

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Accreditation No GEO -268-20503772-
03.1-022

CHEMICAL AND BACTERIOLOGICAL ANALYSIS OF MINERAL WATER # 230

11.10.2004

Sample name : Georgian natural mineral water "Nabeghlavi" (Production 0.5L)

Customer : "Healthy Water " LTD

Results

pH	6.40
Color	0
Odor	0
Taste	2
Turbidity	0
Conductiv.(S/m)	0 5874

Hardness	16.497 mg-Eq
Fr. Alkalinity	ND
Free CO ₂	0.38%
C.O.D(mg/l O)	1.14
Dry residue (mg/l)	4203.325
Summary SiO ₂ (mg/l)	102.85

Cations			
Ion	mg/l	mg-Eg	mg-Eg%
NH ₄	0.500	0.0278	0.04
Ca	132.400	6.6200	8.82
Mg	120.000	9.8765	13.15
Na	1335.00	58.2969	77.64
K	5.500	0.1410	0.19
Li	0.500	0.0720	0.10
Sr	1.800	0.0411	0.05
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	0.200	0.0028	0.00
As	N.D.	N.D.	N.D.
Sum	1596.01	75.0884	100%

Anions			
Ion	mg/l	mg-Eg	mg-Eg%
F	0.380	0.0200	0.03
Cl	101.742	2.8700	3.70
HCO ₃	4379.800	71.8000	92.54
CO ₃	N.D.	N.D.	N.D.
SO ₄	138.600	2.8875	3.71
NO ₂	0.500	0.0109	0.01
NO ₃	0.840	0.0135	0.02
Sum	4621.262	77.5894	100%

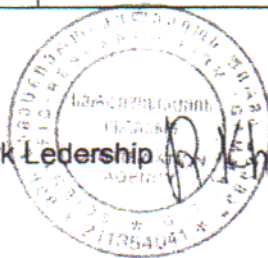
Radioact	Bk/l	Org. toxic	mg/l
α	<	Phenols	ND
β	<	Pesticides.	
		A-HCCH	ND
		G-HCCH	ND
		DDT	ND
		DDE	ND

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

mineralization (mg/l): 6357.325

Results of Bacteriological Analysis

Determinant and methods for detection	Standard rate	Factual value
1 Mezophylic aerobes and facultative anaerobes 1g(ml)	37 ⁰ C-20 22 ⁰ 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