***INSTITUTE FOR PUBLIC HEALTH OH SERBIA***
***" Dr. Milan Jovanović Batut"***
**CENTER FOR HYGIENE AND HUMAN ECOLOGY**
*Beograd St. Dr. Subotića 5*
*Telephone 011/2684-566 lok. 191 - 197*
*Tel.fax 011/ 2685 140*
*W.number: 563*
*Date: 19.11.2008.*

***SPECIALIST OPINION OF HYGIENE CORRECTNESS ON ANALYZED SAMPLE***

Company: PK PLAVA ZVEZDA
Adress: str. Proleterska 7. 22 204 Salaš Noćajski
Name shipment: Natural mineral water
No. demand : 8066/*1 by 03.11.2008.
Category demand: physical-chemical and bacterium parametar
Date sample: 04.11.2008.
Date receipt: 05.11.2008.

***SAMPLE MARKER***

*- Sample number 8717- smple of natural mineral water, well "SN1" Salas Nocajski*

***Reslults of laboratory analyzed***

*Reslults of laboratory analyzed sample are given in annex and making component of specialist opinion.*

***SPECIALIST OPINION***

*On the base of laboratory results and sepecialist advisement it si ratified that named water sample lab. No. 8717 under controled physical-chemical and bacterium parametar is* ***FULFILING REQUIREMENTS*** *writed bylaw of quality and other requirements for natural mineral water, natural well water and fresh water (Sl. L. SCG no. 53/05).*

*AUTHORIZED PERSON,*
*Dr. Dragana Jovanovic, spec.hyg.*

| ***Analyze report*** | No.: 2642 |
|---|---|
| natural mineral water | Date: 19.11.2008. |

| APPLICATOR DATA | | |
|---|---|---|
| Aplicator name: PK PLAVA ZVEZDA | | |
| Adress: Salaš Noćajski | | |
| Tel.: 063 565 090 | Fax: 022 650 252 | www.plavazvezda.com |
| Number and application date: from 03.11.2008., our No. 8066/*1 to 03.11.2008. | | |

| SAMPLE DATA | |
|---|---|
| Sample identification: well "SN1" Salas Nocajski 8717 | |
| Manufecturer - owner: PK PLAVA ZVEZDA | |
| Other amples ( show if important)<br>Importer:<br>Shipping:<br>Manufacturer country:<br>Package deliverer: | |
| Sampling executor: institute tehnician | Sampling date: 04.11.2008. |
| Date of sample reception: 05.11.2008. | |
| Demanded analyze: (named as: health requirement, quality...) | |

| Reference: (show if details of sampling or other specific parametars are needne) |
|---|
| B,C, special opinion |

**REPORT ONLY REFERS TO DONED ANALYZE**

**WITHOUT LABORATORY APPROVAL REPORT OF ANALYZE CAN BE MULTIPLICATE ONLY AS COMPLEX**

CENTER COMMISSIONER FOR HYGIENE
AND HUMAN ECOLOGY

Dr. Dušica Nikosavić, spec.hygiene

**CENTE FOR HYGIENE AND HUMAN ECOLOGY**
**LABORATORY DEPARTMENT - SECTION FOR ECOTOXICOLOGY**

**RESULTS OF SENSORED,PHYSICAL AND CHEMICAL ANALYZES**

| |
|---|
| Sample term: Sample of natural mineral water, well SN1 |
| Identification marker of sample: 8717 |
| Date of analyze completion: 19.11.2008. |

Overall data of sample
Sample of natural mineral water, well SN1, sampled 04.11.2008. & marked by No.: 8717/pv 868

| Analyzed parametars | Modul | Result | Mark method |
|---|---|---|---|
| Water temperature | °C | 38,5 ± 0,1 | UP-501 |
| Air temperature | °C | 22,0 ± 0,1 | UP-501 |
| Color | Pt-Co scale | <5 | UP-536 # |
| Smell | | no smell | UP-537 # |
| Limpidity | NTU | 0,26 ± 0,05 | UP-502 |
| pH value | | 7,5 ± 0,1 | UP-503 |
| Electroconductivity on 20°C | µS/cm | 450 ± 40 | UP-507 |
| Ammonia, $NH_4$ | mg/l | 2,9 ± 0,2 | UP-511 |
| Nitrite, $NO_2$ | mg/l | <0,005 | UP-523 |
| Nitrate, $NO_3$ | mg/l | <0,5 | UP-521 |
| Chloride, Cl | mg/l | 4,7 ± 0,4 | UP-521 |
| Sulphate, $SO_4$ | mg/l | 5,6 ± 0,5 | UP-521 |
| Evaporate residual on 180°C | mg/l | 306 ± 10 | UP-505 |
| KMnO4 expediture | mg/l | 3,5 ± 0,3 | UP-506 |
| Total alkalnity | ml n/10 HCL | 56 ± 5 | UP-509 |
| Hydrogencarbonate, $HCO_3$ | mg/l | 342 ± 20 | UP-509 |
| Total hardness | dH | 4,8 ± 0,5 | UP-510 |
| Fluorid, F | mg/l | 0,18 ± 0,02 | UP-521 |
| Solute oxygen, $O_2$ | mg/l | 1,1 ± 0,5 | UP-508 |
| Carbondioxide, $CO_2$ | mg/l | 39.6 | UP-529 # |
| Orthophosphate, $PO_4$-P | mg/l | <0,02 ± 0,1 | UP-514 |

| | | | |
|---|---|---|---|
| Hydrogenphosphate, $HPO_4$ | mg/l | 0,06±0,03 | UP-514 |
| Silicate, $SiO_2$ | mg/l | 8,1 ± 0,5 | UP-520 |
| Iodine, I | mg/l | <0,5 | UP-535 # |
| Bromine, Br | mg/l | <0,5 | UP-521 |
| Specific parametars | | | |
| Cyanide | mg/l | <0,01 | UP-512 |
| Phenol | mg/l | <0,001 | UP-532 # |
| Detergent, anion | mg/l | <0,01 | UP-531 # |
| Total ionols and oils | mg/l | <0,01 | UP-522 |
| Mineral oils | mg/l | <0,01 | UP-518 |
| Metal contents | | | |
| Calcium, Ca | mg/l | 21 ± 0,2 | UP-916 # |
| Magnesium, Mg | mg/l | 8 ± 0,1 | UP-917 # |
| Iron, Fe | mg/l | 0,146 ± 0,005 | UP-907 |
| Manganese, Mn | mg/l | 0,042 ± 0,005 | UP-904 |
| Sodium, Na | mg/l | 82.7 | UP-916 # |
| Potassium, K | mg/l | 3.44 | UP-917 # |
| Plumb, Pb | mg/l | <0,01 | UP-901 |
| Cooper, Cu | mg/l | <0,01 | UP-902 |
| Aluminium, Al | mg/l | <0,05 | UP-543 # |
| Zink, Zn | mg/l | <0,01 | UP-903 |
| Chrome, Cr | mg/l | <0,01 | UP-905 |
| Cadmium, Cd | mg/l | <0,001 | UP-906 |
| Nickle, Ni | mg/l | <0,01 | UP-919 |
| Arsenic, As | mg/l | 0.004 | UP-908 |
| Mercury, Hg | mg/l | <0,001 | UP-909 |
| Contents of organichlorine inseciticide | | | |
| Hexachlorobenzene (HCB) | µg/l | <0,01 | UP-801 |
| Aldrine/Dieldrine | µg/l | <0,01 | UP-801 |
| DDT | µg/l | <0,01 | UP-801 |
| Heptachlor/Heptachlorepox | µg/l | <0,01 | UP-801 |
| Lindane | µg/l | <0,01 | UP-801 |

| | | | |
|---|---|---|---|
| Policiclyc Aromatic Hydrocarbons | | | |
| Overall | µg/l | <0,2 | UP-801 |
| Benzo (A) pirene | µg/l | <0,01 | UP-801 |
| Aromatics hydrocarbons: | | | |
| Benzene | µg/l | <1 | UP-803 |
| Toluen | µg/l | <7 | UP-803 |
| Etilbenzene | µg/l | <2 | UP-803 |
| Xylenes | µg/l | <5 | UP-803 |
| PCBs - polychlorinated biphenyls: | | | |
| Identifieded as PCB mix 525 | µg/l | <0,5 | UP-801 |

Reference: 1. Results of radioactivity measuring on water sample no./lab. no. 8717/868-pv are sowed in report of Institute for work medicine no.801/08 from 11.11.2008., that is annexed with this report and making component of it.
2. Phisical-chemical parametars are foresee bylaw of quality and other requirements for natural mineral water, natural well water and fresh water (Sl. L. SCG br. 53/05).
3. Marker # belong to noaccreditation method.
4. Alalyze results refers to the laboratory sample.

**Responsible analyst:**

Nikolina Tomašević, grad. chem.

Miroslav Radosavljević, spec. tox.
Svetlana Labus-Blagojević, spec. bio.

**Chief department for ecotoxicology,**

Dejan Natić, grad. chem.

**Chief department of laboratory,**

Snežana Đuranović, spec. chem.

**CENTER FOR HYGIENE AND HUMAN ECOLOGY**
**LABORATORY DEPARTMENT - SECTION FOR SANITAR MICROBIOLOGY**

**RESULTS OF BACTERIUM ANALYZES**

| |
|---|
| Sample term: Natural mineral water - Well SN1 |
| Identification mark of sample: 8717 |
| Date of analyze completion: 10.11.2008. |

| Analyzed | Modul | Result | Mark method |
|---|---|---|---|
| Number of aerobic mesophilic bacteria on 37°C in 1 | ml | 0 | UP-419 |
| Number of aerobic bacteria on 22°C in 250 MF | ml | 0 | UP-419 |
| Altogether coliform bacteria in 250 MF | ml | 0 | UP-420 |
| Presence of Escherichia salts in 250 MF | ml | - | UP-421 |
| Presence of Enterococcus fecal source in 250 MF | ml | - | UP-422 |
| Presence of Pseudomonas aeruginosa in 250 MF | ml | - | UP-423 |
| Presence of Sulforeducing clostridia in 250 MF | ml | - | UP-424 |

Legend: + finded
- not finded

**Comment:** **CORRESPOND** to next regulations: **LAW OF QUALITY AND OTHER REQUIREMENTS FOR NATURAL MINERAL WATER, NATURAL WELL WATER AND FRESH WATER official gazette of SERBIA AND MONTENEGRO no.53/205. clause 8.**

**Analyst:**
Milan Radović spec.micr. of food

**Chief of department:**
Milan Radović spec.micr. of food

**Chief of laboratory section:**
Snežana Đuranović spec.chem.