

Laborator inregistrat la Ministerul Sanatatii Bucuresti nr. 337/25.11.2014 pentru monitorizare de control

Raport de analiza apa potabila

Nr. 785 Data 16.12.2014 – Rezervor Furnica -ZAA-FURNIC-1
Nr. 786 Data 16.12.2014 – Rezervor Manastire –ZAA-MANAST-1

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : iesire rezervor

 DATA PRELEVARII : 16.12.2014-ora:10⁰⁰

DATA EFECTUARII ANALIZEI : 12.12.2014

Metoda de prelevare : conf. SR EN ISO 5667 – 1/2007; SR EN ISO 5667 – 3/2004; SR EN ISO 19458/2007;

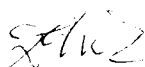
| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori admise | Rezultate obtinute | |
|----------|---|--|----------------------------|--------------------|------|
| | | | | 785 | 786 |
| 1. | Turbiditate (FNU) | SR EN ISO 7027 / 2001 | ≤ 5 | 0,8 | 0,9 |
| 2. | Clor rezidual liber (mg/l) | SR EN ISO 7393-2 / 2002 | 0,50 | 0,52 | 0,45 |
| 3. | Nr.colonii - 22 ⁰ C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 4. | Nr.colonii - 37 ⁰ C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 5. | Bacterii coliforme (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 6. | Escherichia coli (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 7. | Enterococi (UFC/100ml) | SR EN ISO 7899-2 / 2002 | 0 | 0 | 0 |
| 8. | Clostridium perfringens* (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | - | - |

* Cand sursa este de suprafata

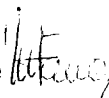
Nota :

1. Raportul de analiza se refera numai la proba de apa specificata.
2. Este interzisa reproducerea partiala sau totala a acestui raport de analiza fara aprobarea emitentului.

 Elaborat,
 Responsabil analiza
 Laborant Daniela Ghetu



 Verificat,
 Responsabil analiza
 Chim.Manuela Tanase



 Aprobat,
 Sef laborator
 Biol.Mioara Enoiu



Laborator inregistrat la Ministerul Sanatatii Bucuresti nr. 337/25.11.2014 pentru monitorizare de control

Raport de analiza apa potabila

Nr. 787 Data 16.12.2014 – Rezervor Cumpatu -ZAA-CUMPATU-1
Nr. 788 Data 16.12.2014 – Rezervor Spital –ZAA-SPITAL-1

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : iesire rezervor

 DATA PRELEVARII : 16.12.2014-ora:10⁰⁰

DATA EFECTUARII ANALIZEI : 16.12.2014

Metoda de prelevare : conf. SR EN ISO 5667 – 1/2007; SR EN ISO 5667 – 3/2004; SR EN ISO 19458/2007;

| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori admise | Rezultate obtinute | |
|----------|---|--|----------------------------|--------------------|------|
| | | | | 787 | 788 |
| 1. | Turbiditate (FNU) | SR EN ISO 7027 / 2001 | ≤ 5 | 1,0 | 0,7 |
| 2. | Clor rezidual liber (mg/l) | SR EN ISO 7393-2 / 2002 | 0,50 | 0,35 | 0,40 |
| 3. | Nr.colonii - 22 ^o C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 4. | Nr.colonii - 37 ^o C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 5. | Bacterii coliforme (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 6. | Escherichia coli (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 7. | Enterococi (UFC/100ml) | SR EN ISO 7899-2 / 2002 | 0 | 0 | 0 |
| 8. | Clostridium perfringens* (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | - | - |

* Cand sursa este de suprafata

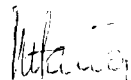
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Raport de analiza – apa bruta Valea Rea

Nr. 790 Data 22.12.2014

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : captare

 DATA PRELEVARII : 22.12.2014-ora:10⁰⁰

DATA EFECTUARII ANALIZEI : 22.12.2014

Metoda de prelevare:conf.SR ISO 5667-1/2007;SR EN ISO 19458/2007

| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori maxim admise | Valori obtinute |
|----------|---|--|---------------------|-----------------|
| 1 | Culoare aparenta (gr. Pt-Co) | SR ISO 7887 / 1997 | 100 | 40 |
| 2 | pH (unit. pH) | SR EN ISO 10523/1997 | 5,5 - 9 | 8,0 |
| 3 | Temperatura °C | SR EN 1622 / 2000 | 25 | 7 |
| 4 | Conductivitate (μS/cm) | SR EN 27888 / 1997 | 1000 | 342 |
| 5 | Amoniu (mg/l) | SR EN 7150-1 / 2001 | 2,5 | abs |
| 6 | Nitriti (mg/l) | SR EN 26777 / C 91 / 2006 | | abs |
| 7 | Nitrati (mg/l) | SR EN 7890-1 / 1998 | 50 | 2,65 |
| 8 | Cloruri (mg/l) | SR ISO 9297 / 2001 | 200 | 8,51 |
| 9 | Determinarea sumei de calciu si magneziu (g.d.) | SR ISO 6059 / 2008 | ≥5 | 10,42 |
| 10 | Calciu (mg/l) | STAS 3662 / 1990 | 100 | 64,12 |
| 11 | Alcalinitate totala (mmol/l HCl) | SR ISO 9963 – 1 / 1997 | | 3,2 |
| 12 | Indice de permanganat (mgO ₂ /l) | SR EN ISO 8467 / 2001 | 5,0 | 1,06 |
| 13 | Oxigen (mg/l) | SR EN 25813 / 2000 | ≥ 6 | 11,50 |
| 14 | Grad de saturatie % | Metoda Winkler | > 50 | 95 |
| 15 | CBO5 (mg /l) | SR EN 1899-2 / 2002 | < 5 | 0,83 |
| 16 | Fier (μg/l) | SR ISO 6332 / C91 / 2006 | 200 | 20 |
| 17 | Sulfati (mg/l) | STAS 3069 / 1987 | 250 | - |
| 18 | Materii in suspensie (mg/l) | STAS 6953/1981 | | 9 |
| 20 | Bacterii coliforme (nr./100ml) | SR EN ISO 9308-1/2004 | 5000 | 28 |
| 21 | Escherichia coli (nr./100ml) | SR EN ISO 9308-1/2004 | 2000 | 10 |
| 22 | Enterococi (nr./100ml) | SR EN ISO 7899-2/2002 | 1000 | 6 |
| 23 | Clostridium perfringens * (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | 0 |

* cand sursa de apa este de suprafata

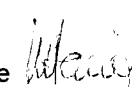
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 Elaborat,
 Responsabil analiza
 Laborant Denisa Mierlita



 Verificat,
 Responsabil analiza
 Chim.Manuela Tanase



 Aprobat,
 Sef laborator
 Biol.Mioara Enoiu





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Raport de analiza – apa bruta V.DoruluiNr. 791 Data 22.12.2014

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : captare

DATA PRELEVARII : 22.12.2014-ora:10°°

DATA EFECTUARII ANALIZEI : 22.12.2014

Metoda de prelevare:conf.SR ISO 5667-1/2007;SR EN ISO 19458/2007

| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori maxim admise | Valori obtinute |
|----------|---|--|---------------------|-----------------|
| 1 | Culoare aparenta (gr. Pt-Co) | SR ISO 7887 / 1997 | 100 | 92 |
| 2 | pH (unit. pH) | SR EN ISO 10523/1997 | 5,5 - 9 | 8,0 |
| 3 | Temperatura °C | SR EN 1622 / 2000 | 25 | 3 |
| 4 | Conductivitate (μ S/cm) | SR EN 27888 / 1997 | 1000 | 300 |
| 5 | Amoniu (mg/l) | SR EN 7150-1 / 2001 | 2,5 | abs |
| 6 | Nitriti (mg/l) | SR EN 26777 / C 91 / 2006 | | abs |
| 7 | Nitrati (mg/l) | SR EN 7890-1 / 1998 | 50 | 2,21 |
| 8 | Cloruri (mg/l) | SR ISO 9297 / 2001 | 200 | 16,31 |
| 9 | Determinarea sumei de calciu si magneziu (g.d.) | SR ISO 6059 / 2008 | ≥ 5 | 9,87 |
| 10 | Calciu (mg/l) | STAS 3662 / 1990 | 100 | 54,90 |
| 11 | Alcalinitate totala (mmol/l HCl) | SR ISO 9963 – 1 / 1997 | | 3,1 |
| 12 | Indice de permanganat (mgO_2/l) | SR EN ISO 8467 / 2001 | 5,0 | 1,28 |
| 13 | Oxigen (mg/l) | SR EN 25813 / 2000 | ≥ 6 | 12,68 |
| 14 | Grad de saturatie % | Metoda Winkler | > 50 | 94 |
| 15 | CBO5 (mg / l) | SR EN 1899-2 / 2002 | < 5 | 0,83 |
| 16 | Fier (μ g/l) | SR ISO 6332 / C91 / 2006 | 200 | 20 |
| 17 | Sulfati (mg/l) | STAS 3069 / 1987 | 250 | - |
| 18 | Materii in suspensie (mg/l) | STAS 6953/1981 | | 30 |
| 20 | Bacterii coliforme (nr./100ml) | SR EN ISO 9308-1/2004 | 5000 | 36 |
| 21 | Escherichia coli (nr./100ml) | SR EN ISO 9308-1/2004 | 2000 | 14 |
| 22 | Enterococi (nr./100ml) | SR EN ISO 7899-2/2002 | 1000 | 8 |
| 23 | Clostridium perfringens * (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | 0 |

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Nota:

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Raport de analiza apa potabila

Nr. 792 Data 23.12.2014 – Rezervor Furnica -ZAA-FURNIC-1
Nr. 793 Data 23.12.2014 – Rezervor Manastire –ZAA-MANAST-1

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : iesire rezervor

 DATA PRELEVARII : 23.12.2014-ora:10⁰⁰

DATA EFECTUARII ANALIZEI : 23.12.2014

Metoda de prelevare : conf. SR EN ISO 5667 – 1/2007; SR EN ISO 5667 – 3/2004; SR EN ISO 19458/2007;

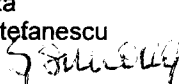
| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori admise | Rezultate obtinute | |
|----------|---|--|----------------------------|--------------------|------|
| | | | | 792 | 793 |
| 1. | Turbiditate (FNU) | SR EN ISO 7027 / 2001 | ≤ 5 | 0,39 | 0,37 |
| 2. | Clor rezidual liber (mg/l) | SR EN ISO 7393-2 / 2002 | 0,50 | 0,50 | 0,35 |
| 3. | Nr.colonii - 22 ^o C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 4. | Nr.colonii - 37 ^o C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 5. | Bacterii coliforme (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 6. | Escherichia coli (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 7. | Enterococi (UFC/100ml) | SR EN ISO 7899-2 / 2002 | 0 | 0 | 0 |
| 8. | Clostridium perfringens* (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | - | - |

* Cand sursa este de suprafata

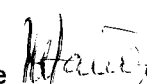
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Raport de analiza apa potabila

Nr. 794 Data 23.12.2014 – Rezervor Cumpatu -ZAA-CUMPAT-1
Nr. 795 Data 23.12.2014 – Rezervor Spital -ZAA-SPITAL-1

BENEFICIAR : Sinaia

PUNCT DE RECOLTARE : iesire rezervor

 DATA PRELEVARII : 23.12.2014-ora:10⁰⁰

DATA EFECTUARII ANALIZEI : 23.12.2014

Metoda de prelevare : conf. SR EN ISO 5667 – 1/2007; SR EN ISO 5667 – 3/2004; SR EN ISO 19458/2007;

| Nr. crt. | Indicatori analizati | Standardul de analiza | Valori admise | Rezultate obtinute | |
|----------|---|--|----------------------------|--------------------|------|
| | | | | 794 | 795 |
| 1. | Turbiditate (FNU) | SR EN ISO 7027 / 2001 | ≤ 5 | 0,76 | 0,45 |
| 2. | Clor rezidual liber (mg/l) | SR EN ISO 7393-2 / 2002 | 0,50 | 0,40 | 0,30 |
| 3. | Nr.colonii - 22 ⁰ C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 4. | Nr.colonii - 37 ⁰ C (UFC / ml) | SR EN ISO 6222 / 2004 | Nici o modificare anormala | 0 | 0 |
| 5. | Bacterii coliforme (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 6. | Escherichia coli (UFC/100ml) | SR EN ISO 9308-1 / 2004 | 0 | 0 | 0 |
| 7. | Enterococi (UFC/100ml) | SR EN ISO 7899-2 / 2002 | 0 | 0 | 0 |
| 8. | Clostridium perfringens* (nr./100ml) | Legea 458/2002, 311/2004, republicata 2011 | 0 | - | - |

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