NSF
789 N. Dixboro Rd. Ann Arbor, MI 48015, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

# TEST REPORT

**Send to: C0229888**
G.C. Carpathian Springs SA
33 Republicii Street
Vatra Domei, Suceava 725700
Romania
Mr. Dan Ghejan

**Facility: C0229889**
G.C. Carpathian Springs SA
Panaci Village Suceava
Suceava 727407
Romania

**Result: Complete** **Final Report Date: 27-May 2025**

| | |
|---|---|
| Customer Name: | G.C. Carpathian Springs SA |
| Tested to: | EU-NMW – EU Directive 2009/54/EC |
| Description: | Source – F2 |
| Test Type: | SS – Source Water |
| Job Number: | A-00509836 |
| Project Number: | W0949577 |
| Project Manager: | Kira O'Brien |

**Thank you for completing your testing with NSF.**

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

**Report Authorization** Nancy F. Cole
Nancy Cole - Director, Analysis Laboratories

**Date:** 27-May 2025

Oliver Rodés

# Analysis report

**GENERAL DATA**

**REPORT Nº:** 4241575
**ANALYSIS Nº:** 8792912
**APPLICANT:** NSF INTERNATIONAL
**ADDRESS:** 789 Dixboro Rd
**TOWN:** 0010-ANN ARBOR (MICHIGAN)
**# SAMPLE DENOMINATION:** Carbonated Natural Mineral Water - Plant Number: C0229889 - Project: W0949577 - PSF: A-00509836 - Source F2 PALTINIS
**SAMPLE DESCRIPTION:** 1 L polymeric material commercial bottles(2), containing Natural Mineral Water
**RECEIPT DATE:** 16/04/2025
**END DATE** 24/04/2025

**Analysis performed in LABAQUA S.A.U. Assays covered by ENAC accreditation nº 109/LE285 ; c/Moreres, 21 (P.I. Estruc) 08820 El Prat de Llobregat Barcelona Tel.+ 34 93 478 56 78:**
Start analysis date 16/04/2025.

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| **Microbiolological Constituents** | | | | |
| Coliform bacteria | UNE-EN ISO 9308-1:2014/A1:2017 | 0 | 0 | u.f.c./250 mL |
| *Escherichia coli* | UNE-EN ISO 9308-1:2014/A1:2017 | 0 | 0 | u.f.c./250 mL |
| Fecal Streptococci | UNE-EN ISO 7899-2:2001 | 0 | 0 | u.f.c./250 mL |
| *Pseudomonas aeruginosa* | UNE-EN ISO 16266:2008 | 0 | 0 | u.f.c./250 mL |
| Spores of sulfite-reducing anaerobes | PAMB-20 | 0 | 0 | u.f.c./50 mL |
| Total heterotrophic counts at 22ºC | UNE-EN- ISO 6222:1999 | | <1 | c.f.u./mL |
| Total heterotrophic counts at 37ºC | UNE-EN- ISO 6222:1999 | | <1 | c.f.u./mL |

**# INFORMATION SUBMITED BY THE CLIENT**

**SAMPLING DATE:** 10/04/2025 HOUR 08:30

**OBSERVATIONS**

Aerobic microorganisms: Inoculation in yeast extract on agar plate. Incubation 22ºC for 72 hours
Microbiology results: from 1 to 2 cfu is interpreted as organism present and from 3 to 9 cfu as estimate counts.
Aerobic microorganisms: Inoculation in yeast extract on agar plate. Incubation 37ºC for 24 hours.
Microbiology results: from 1 to 2 cfu is interpreted as organism present and from 3 to 9 cfu as estimate counts.

The following interpretations are beyond ENAC's scope.
The analyzed parameters meet the parametric values established.

The sections indicated with the symbol # correspond to information provided by the client, the laboratory is not responsible for said information, nor is it covered by the scope of accreditation. This report only concerns the sample analyzed as received and may only be partially reproduced with written authorization from the laboratory.
The laboratory has the uncertainty of these measurements available to the customer.

Validated in LABAQUA S.A.U by Technical Expert: Miriam Monedero Boado, Technical Director: Marta Pedemonte Almirall.

Electronically signed report in its digital format. Authenticity verifiable using the root certificate from the certifying entity.

Issued in El Prat de Llobregat, 24 April of 2025

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LABAQUA

# Analysis report

**GENERAL DATA**

**REPORT Nº:** 4249342
**ANALYSIS Nº:** 8793439
**APPLICANT:** NSF INTERNATIONAL
**ADDRESS:** 789 Dixboro Rd
**TOWN:** 0010-ANN ARBOR (MICHIGAN)
**# SAMPLE DENOMINATION:** Carbonated Natural Mineral Water - Plant Number: C0229889 - Project: W0949577 - PSF: A-00509836 - Source F2 PALTINIS
**SAMPLE DESCRIPTION:** 1 L polymeric material commercial bottles(3), containing packaged water
**RECEIPT DATE:** 16/04/2025
**END DATE** 2/05/2025

**Analysis performed in LABAQUA, S.A.U. Tests covered by ENAC accreditation nº 109/LE285; C/ Dracma,16-18- Pol. Ind. Las Atalayas 03114 ALICANTE - Tel. +34 965 10 60 70:**
Start analysis date 17/04/2025.

| PARAMETERS | METHODS | RESULTS | UNITS |
|---|---|---|---|
| **Radiactividad** | | | |
| Gross alpha activity | A-BV-PE-0010 Flow proportional counter | 0.258±0.061 | Bq/L |
| Gross beta activity | A-BV-PE-0010 Flow proportional counter | 0.861±0.051 | Bq/L |
| Residual beta activity | A-BV-PE-0010 Flow proportional counter | 0.780±0.051 | Bq/L |

**# INFORMATION SUBMITED BY THE CLIENT**

**SAMPLING DATE:** 10/04/2025 HOUR 08:30

**OBSERVATIONS**

Actividad Alfa total AMD=0.019332Bq/L
Actividad Beta resto AMD=0.0041557Bq/L
Actividad Beta total AMD=0.0041557Bq/L
LOD = AMD.

The sections indicated with the symbol # correspond to information provided by the client, the laboratory is not responsible for said information, nor is it covered by the scope of accreditation. This report only concerns the sample analyzed as received and may only be partially reproduced with written authorization from the laboratory.

Validated in Labaqua Alicante by Technical Expert: Ricardo Pedraza Berenguer, Technical Director: Francisco García Andreu.

Electronically signed report in its digital format. Authenticity verifiable using the root certificate from the certifying entity.

Issued in ALICANTE, 2 May of 2025

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# Analysis report

**GENERAL DATA**

**REPORT Nº:** 4264524
**ANALYSIS Nº:** 8793076
**APPLICANT:** NSF INTERNATIONAL
**ADDRESS:** 789 Dixboro Rd
**TOWN:** 0010-ANN ARBOR (MICHIGAN)
**# SAMPLE DENOMINATION:** Carbonated Natural Mineral Water - Plant Number: C0229889 - Project: W0949577 - PSF: A-00509836 - Source F2 PALTINIS
**SAMPLE DESCRIPTION:** 1 L polymeric material commercial bottles(15), containing Natural Mineral Water
**RECEIPT DATE:** 16/04/2025
**END DATE** 15/05/2025

**Analysis performed in LABAQUA S.A.U. Assays covered by ENAC accreditation nº 109/LE285 ; c/Moreres, 21 (P.I. Estruc) 08820 El Prat de Llobregat Barcelona Tel.+ 34 93 478 56 78:**
Start analysis date 16/04/2025.

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| **Organoleptics characters** | | | | |
| Colour | PE-COR-006 | | 4 ± 30% | mg/L Pt/Co |
| * Qualitative smell | Organoleptic IP PAFQ-31. | | 0 | aceptable |
| * Qualitative taste | Organoleptic IP PAFQ-31. | | 0 | aceptable |
| Turbidity | PE-COR-003 | | 109 ± 20% | UNF |
| **Ionic Balance** | | | | |
| Sum of anions | Ionic balance calculation PEQ-06 | | 20.23 | meq/L |
| Bicarbonates | PE-COR-005 | | 1176.2 ± 15% | mg/L |
| Bromides | PE-COR-024 | | < 0.2 ± 15% | mg/L |
| Carbonate | PE-COR-005 | | < 2.0 ± 15% | mg/L |
| Chloride | PE-COR-024 | | 14.5 ± 20% | mg/L |
| Fluoride | PE-COR-024 | 5.0 | < 0.20 ± 20% | mg/L |
| Nitrate | PE-COR-024 | 50 | < 0.5 ± 15% | mg/L |
| Nitrites | PE-COR-008 | 0.10 | <0.02 ± 30% | mg/L |
| Sulfates | PE-COR-024 | | 26.0 ± 15% | mg/L |
| Sum of cations | Ionic balance calculation PEQ-06 | | 23.64 | meq/L |
| Ammonium | PE-COR-011 | | 1.0 ± 32% | mg/L |
| Calcium | PE-COR-023 | | 308.7 ± 13% | mg/L |
| Iron | PE-COR-023 | | 5559 ± 13% | µg/L |
| Lithium | PE-COR-023 | | 7 ± 14% | µg/L |
| Magnesium | PE-COR-023 | | 91.3 ± 13% | mg/L |
| Manganese | PE-COR-023 | 500 | 810 ± 14% | µg/L |
| Potassium | PE-COR-023 | | 3.0 ± 15% | mg/L |
| Sodium | PE-COR-023 | | 8.0 ± 14% | mg/L |
| Strontium | PE-COR-023 | | 372 ± 16% | µg/L |
| **Physical and chemical constituents** | | | | |
| * Anionic detergents | PE-COR-048 | | <0.1 | mg/L |
| * Appearence | Organoleptic IP PAFQ-31. | | 0 | limpida |
| * Carbon dioxide | Titration PAFQ-13 | | 946.0 | mg/L |
| Conductivity at 20ºC | PE-COR-002 | | 1657 ± 10% | µS/cm |
| Dry residue 180ºC | PE-COR-017 | | 1122 ± 15% | mg/L |
| Dry residue 260ºC | PE-COR-017 | | 1098 ± 15% | mg/L |
| Hardness | PE-COR-023 | | 114.7 ± 10% | ºF |
| Oxidability | UNE-EN ISO 8467:1995 | | 1.78 ± 25% | mg $O_2$/L |

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* The marked activities in this report are not included in the accreditation scope of the laboratory.

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**GENERAL DATA**
**REPORT Nº:** 4264524

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| pH | PE-COR-001 | | 7.0 ± 0.1 | U. pH. |
| Silica | PE-COR-023 | | 18.7 ± 16% | mg/L SiO2 |
| * Sulfides | PE-COR-074 | | <0.02 | mg/L |
| TA Carbonates | PE-COR-005 | | < 2.0 ± 15% | mg/L $CO_3Ca$ |
| TAC Bicarbonates | PE-COR-005 | | 964.1 ± 15% | mg/L $CO_3Ca$ |
| Total Cyanide | PE-COR-071 | 70 | <10.0 ± 30% | µg/L |
| Total organic carbon | PE-COR-021 | | 1.3 ± 20% | mg/L |
| **Anions** | | | | |
| phosphates | PE-COR-024 | | < 0.4 ± 15% | mg$PO_4$/L |
| **Metals** | | | | |
| Aluminium | PE-COR-023 | | 8 ± 14% | µg/L |
| Antimony | PE-COR-023 | 5.0 | < 1 ± 15% | µg/L |
| Arsenic | PE-COR-023 | 10 | 4 ± 13% | µg/L |
| Barium | PE-COR-023 | 1.0 | 0.168 ± 16% | mg/L |
| Boron | PE-COR-023 | | 13 ± 14% | µg/L |
| Cadmium | PE-COR-023 | 3.0 | < 1 ± 13% | µg/L |
| Chromium | PE-COR-023 | 50 | < 2 ± 14% | µg/L |
| Copper | PE-COR-023 | 1.0 | < 0.002 ± 15% | mg/L |
| Lead | PE-COR-023 | 10 | < 1 ± 13% | µg/L |
| Mercury | PE-COR-023 | 1.0 | < 0.20 ± 13% | µg/L |
| Nickel | PE-COR-023 | 20 | 16 ± 14% | µg/L |
| Selenium | PE-COR-023 | 10 | < 2 ± 14% | µg/L |
| Uranium | PE-COR-023 | | 4 ± 13% | µg/L |
| **Volatile Organic Compounds** | | | | |
| 1,1,1-Trichloroethane | PE-COR-025 | | <0.2 ± 29% | µg/L |
| 1,1,2-Trichloroethane | PE-COR-025 | | <0.2 ± 28% | µg/L |
| 1,1-Dichloroethane | PE-COR-025 | | <0.2 ± 28% | µg/L |
| 1,1-Dichloroethene | PE-COR-025 | | <0.2 ± 29% | µg/L |
| 1,2,3-Trichlorobenzene | PE-COR-025 | | <0.1 ± 27% | µg/L |
| 1,2,4-Trichlorobenzene | PE-COR-025 | | <0.1 ± 33% | µg/L |
| 1,2-Dichlorobenzene | PE-COR-025 | | <0.2 ± 27% | µg/L |
| 1,2-Dichloroethane | PE-COR-025 | | <0.2 ± 28% | µg/L |
| 1,2-Dichloropropane | PE-COR-025 | | <0.2 ± 28% | µg/L |
| 1,3,5-Trichlorobenzene | PE-COR-025 | | <0.1 ± 30% | µg/L |
| 1,3-Dichlorobenzene | PE-COR-025 | | <0.2 ± 27% | µg/L |
| 1,4-Dichlorobenzene | PE-COR-025 | | <0.2 ± 31% | µg/L |
| Carbon Tetrachloride | PE-COR-025 | | <0.2 ± 29% | µg/L |
| Chlorobenzene | PE-COR-025 | | <0.2 ± 30% | µg/L |
| cis-1,2-Dichloroethene | PE-COR-025 | | <0.2 ± 28% | µg/L |
| cis-1,3-Dichloropropene | PE-COR-025 | | <0.2 ± 29% | µg/L |
| Dichloromethane | PE-COR-025 | | <0.2 ± 27% | µg/L |
| Hexachlorobutadiene | PE-COR-025 | | <0.1 ± 28% | µg/L |
| Sum of Trichloroethene and Tetrachloroethene | PE-COR-025 | | < 0.4 | µg/L |
| Tetrachloroethene | PE-COR-025 | | < 0.2 ± 27% | µg/L |
| Trichloroethene | PE-COR-025 | | < 0.2 ± 26% | µg/L |
| trans-1,2-Dichloroethene | PE-COR-025 | | <0.2 ± 29% | µg/L |

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**GENERAL DATA**
**REPORT Nº:** 4264524

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| trans-1,3-Dichloropropene | PE-COR-025 | | <0.2 ± 28% | µg/L |
| **Trihalomethanes** | | | | |
| Sum of Trihalomethanes | PE-COR-025 | | < 0.8 | µg/L |
| Bromodichloromethane | PE-COR-025 | | < 0.2 ± 27% | µg/L |
| Bromoform | PE-COR-025 | | < 0.2 ± 29% | µg/L |
| Chloroform | PE-COR-025 | | < 0.2 ± 28% | µg/L |
| Dibromochloromethane | PE-COR-025 | | < 0.2 ± 27% | µg/L |
| **BTEXs** | | | | |
| BTEX sum | PE-COR-025 | | < 1.2 | µg/L |
| Benzene | PE-COR-025 | | <0.2 ± 33% | µg/L |
| Ethylbenzene | PE-COR-025 | | <0.2 ± 29% | µg/L |
| m+p-Xylene | PE-COR-025 | | <0.4 ± 30% | µg/L |
| o-Xylene | PE-COR-025 | | <0.2 ± 27% | µg/L |
| Toluene | PE-COR-025 | | <0.2 ± 29% | µg/L |
| Xylenes (Sum) | PE-COR-025 | | <0.6 | µg/L |
| **Polycyclic aromatic hydrocarbons** | | | | |
| Acenaphthene | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Acenaphthylene | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Anthracene | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Benzo[a]anthracene | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Benzo[a]pyrene | PE-COR-027 | | < 0.005 ± 31% | µg/L |
| Chrysene | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Dibenzo[a,h]anthracene | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Fluoranthene | PE-COR-027 | | < 0.01 ± 42% | µg/L |
| Fluorene | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Naphthalene | PE-COR-025 | | <0.2 ± 29% | µg/L |
| Phenanthrene | PE-COR-027 | | < 0.01 ± 33% | µg/L |
| Pyrene | PE-COR-027 | | < 0.01 ± 40% | µg/L |
| Sum of 4 Polycyclic Aromatic Hydrocarbons | PE-COR-027 | | < 0.0200 | µg/L |
| Benzo[b]fluoranthene | PE-COR-027 | | < 0.005 ± 32% | µg/L |
| Benzo[ghi]perylene | PE-COR-027 | | < 0.005 ± 31% | µg/L |
| Benzo[k]fluoranthene | PE-COR-027 | | < 0.005 ± 32% | µg/L |
| Indene[1,2,3-c,d]pyrene | PE-COR-027 | | < 0.005 ± 30% | µg/L |
| **Pesticides** | | | | |
| Sum of pesticides | PE-COR-027 | | < 0.400 | µg/L |
| a-HCH | PE-COR-027 | | < 0.01 ± 33% | µg/L |
| Aldrin | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Ametryn | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Atrazine | PE-COR-027 | | < 0.01 ± 30% | µg/L |
| b-HCH | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| d-HCH | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Diazinon | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Dieldrin | PE-COR-027 | | < 0.005 ± 31% | µg/L |
| Endosulfan I | PE-COR-027 | | < 0.01 ± 33% | µg/L |
| Endosulfan II | PE-COR-027 | | < 0.01 ± 31% | µg/L |

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**GENERAL DATA**
**REPORT Nº:** 4264524

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| Endosulfan sulfate | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Endrin | PE-COR-027 | | < 0.005 ± 33% | µg/L |
| Endrin ketone | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Ethion | PE-COR-027 | | < 0.01 ± 30% | µg/L |
| Heptachlor | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Heptachlor epoxide | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Lindane | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| Methil-parathion | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Methoxychlor | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| p,p'-DDD | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| p,p'-DDE | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| p,p'-DDT | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Parathion | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Prometryn | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Propazine | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Simazine | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Terbuthylazine | PE-COR-027 | | < 0.01 ± 31% | µg/L |
| Trietazine | PE-COR-027 | | < 0.01 ± 32% | µg/L |
| **Polychlorinated biphenyls** | | | | |
| * Sum of 7 PCBs | PE-COR-027 | | < 0.14 | µg/L |
| * PCB-101 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-118 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-138 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-153 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-180 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-28 | PE-COR-027 | | < 0.02 | µg/L |
| * PCB-52 | PE-COR-027 | | < 0.02 | µg/L |

**Analysis performed in LABAQUA, S.A.U. Tests covered by ENAC accreditation nº 109/LE285; C/ Dracma,16-18- Pol. Ind. Las Atalayas 03114 ALICANTE - Tel. +34 965 10 60 70:**
Start analysis date 17/04/2025.

| PARAMETERS | METHODS | D2009/54 & D2003/40 | RESULTS | UNITS |
|---|---|---|---|---|
| **Physical and chemical constituents** | | | | |
| Phenols | A-F-PE-0059 SFA | | <10 ± 27% | µg/L |
| **Metals** | | | | |
| Iron II | A-C-PE-0029 Espectrofotometría absorción | | < 0.02 ± 13% | mg/L |
| **EPA-8015 B** | | | | |
| GRO | A-BV-PE-0039 PyT-GC-MS | | < 10.0 ± 30% | µg/L |
| **Hydrocarbons (C6-C40)** | | | | |
| * Aliphatic fraction C6-C10 | A-BV-PE-0039 PyT-GC-MS | | < 10.0 | µg/L |
| * TPH - Mineral oils (C10-C40) | A-BS-PE-0066 LLE-GC-FID | | < 0.2 ± 36 % | mg/L |

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**GENERAL DATA**
**REPORT Nº:** 4264524

**# INFORMATION SUBMITED BY THE CLIENT**
**SAMPLING DATE:** 10/04/2025 HOUR 08:30

**OBSERVATIONS**

The following interpretations are beyond ENAC's scope.
Doesn't meet the parametric values established

The sections indicated with the symbol # correspond to information provided by the client, the laboratory is not responsible for said information, nor is it covered by the scope of accreditation. This report only concerns the sample analyzed as received and may only be partially reproduced with written authorization from the laboratory.
The laboratory has the uncertainty of these measurements available to the customer.

Validated in LABAQUA S.A.U by Technical Expert: Marta Pedemonte Almirall, Technical Director: Marta Pedemonte Almirall.

Electronically signed report in its digital format. Authenticity verifiable using the root certificate from the certifying entity.

Issued in El Prat de Llobregat, 15 May of 2025

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