

Technical Specification

Issued on: 01/08/2019

Rev: 3

S.PELLEGRINO NATURAL MINERAL WATER

SANPELLEGRINO

All One Way Glass Bottle

Shelf Life: 30 Months

Description:

Carbonated Natural Mineral Water added with Natural Carbon Dioxide in accordance with European Directive 2009/54/EEC.
Acknowledgments: Italian Ministry of Health Decrees Nr. 3378-243 on 26/03/01 and Nr. 3419-243 on 31/01/02.
The product is compliant to EU directive 2009/54/EC and Codex Alimentarius standard. - Country of Origin: Italy.
Label is in compliance with European Regulation 1169/2011 (L'étiquette est conforme au Règlement Européen 1169/2011).

Ingredients:

S.Pellegrino Natural Mineral Water, Carbon Dioxide of Natural Origin

Preservation and Storage:

Store in a clean, cool, dry and odorless place, away from direct sunlight and freezing temperatures.

Organoleptic Specifications:

Limpid, Odourless, Colourless, Typical taste

Chemical Specifications:

| Parameter | UM | Value | Tolerances | Methods |
|---|---------------------|-------------------|------------|------------------------|
| Carbonation (at bottling) | g/l CO ₂ | 4.8 | ± 0.2 | |
| Temperature at Source | °C | 22.7 | | UNI 10500:1996 |
| pH at Source | | 7.7 | | 2060 APAT IRSA-CNR |
| Specific Conductance at 20°C | µS/cm | 1079 | | 2030 APAT IRSA-CNR |
| TDS (Total Dissolved Solids) at 180°C | mg/L | 853 | | UNI 10506:1996 |
| Total Mineralisation | mg/L | 952 | | |
| Sodium | mg/L | 30.0 | | S.M. 3500-Na B |
| Potassium | mg/L | 2.1 | | S.M. 3500-K B |
| Calcium | mg/L | 166 | | S.M. 3120 B, 3500-Ca B |
| Magnesium | mg/L | 49.5 | | S.M. 3120 B, 3500-Mg B |
| Strontium | mg/L | 2.9 | | ISO 17294-2 |
| Lithium | mg/L | 0.12 | | ISO 17294-2 |
| Iron | mg/L | less than 0.02 | | UNI EN ISO 11885:2000 |
| Aluminum | mg/L | less than 0.010 | | ISO 17294-2 |
| Chloride | mg/L | 49.6 | | S.M. 4110 B |
| Sulphates | mg/L | 401 | | S.M. 4110 B |
| Fluoride | mg/L | 0.5 | | 4080B APAT IRSA-CNR |
| Bromide | mg/l | 0.3 | | S.M. 4110 B |
| Iodide | mg/L | 0.014 | | ISO 17294-2 |
| Bicarbonate | mg/L | 244 | | S.M. 2320 B |
| Ammonium (as NH ₄ ⁺) | mg/L | less than 0.05 | | 4030A2 APAT IRSA-CNR |
| Nitrate | mg/L | 2.8 | | S.M. 4110 B |
| Nitrite | mg/L | less than 0.002 | | 4050 APAT IRSA-CNR |
| Silica (as SiO ₂) | mg/L | 7.3 | | 4130 APAT IRSA-CNR |
| Antimony | mg/L | less than 0.00125 | | ISO 17294-2 |
| Arsenic (As Total) | mg/L | 0.002 | | UNI EN ISO 11969 |
| Barium | mg/L | less than 0.1 | | ISO 17294-2 |
| Boron | mg/L | 0.1 | | ISO 17294-2 |
| Cadmium | mg/L | less than 0.0003 | | ISO 17294-2 |
| Chromium | mg/L | less than 0.005 | | ISO 17294-2 |
| Copper | mg/L | less than 0.1 | | ISO 17294-2 |
| Cyanide (total) | mg/L | less than 0.001 | | S.M. 4500 CN- E |
| Lead | mg/L | less than 0.001 | | ISO 17294-2 |
| Manganese | mg/L | less than 0.01 | | ISO 17294-2 |
| Mercury | mg/L | less than 0.0002 | | UNI EN 1483:1999 |
| Nickel | mg/L | less than 0.002 | | ISO 17294-2 |
| Phosphorous | mg/L | less than 0.05 | | 4110 APAT IRSA-CNR |
| Selenium | mg/L | less than 0.001 | | UNI 10557:1996 |

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| | | | |
|---|------|-----------------|----------------------------------|
| Anionic Surfactants (as LAS) | µg/L | less than 50 | S.M. 5540 C |
| Mineral Oils and Dissolved Hydrocarbons | µg/L | less than 10 | 5160 APAT IRSA-CNR |
| Benzene | µg/L | less than 0.5 | S.M. 6200 B |
| Polycyclic Aromatic Hydrocarbons (PAH's): | | | |
| Benzo[a]pyrene | µg/L | less than 0.003 | ISO 17993 |
| Benzo[b]fluoranthene | µg/L | less than 0.006 | ISO 17993 |
| Benzo[k]fluoranthene | µg/L | less than 0.006 | ISO 17993 |
| Benzo[ghi]perylene | µg/L | less than 0.006 | ISO 17993 |
| Dibenz[a,h]anthracene | µg/L | less than 0.006 | ISO 17993 |
| Indeno[1,2,3-cd]pyrene | µg/L | less than 0.006 | ISO 17993 |
| Others | µg/L | less than 0.006 | ISO 17993 |
| Pesticides (Single Compound) | µg/L | less than 0.05 | UNI EN ISO 6468:1999 - EPA 551.1 |
| Aldrin | µg/L | less than 0.01 | UNI EN ISO 6468:1999 |
| Dieldrin | µg/L | less than 0.01 | UNI EN ISO 6468:1999 |
| Heptachlor | µg/L | less than 0.01 | UNI EN ISO 6468:1999 |
| Heptachlor epoxide | µg/L | less than 0.01 | UNI EN ISO 6468:1999 |
| PCB's | µg/L | less than 0.05 | UNI EN ISO 6468:1999 |
| Other Halogenated Compounds: | | | |
| Chloroform | µg/L | less than 0.5 | S.M. 6200 B |
| Dibromochloromethane | µg/L | less than 0.5 | S.M. 6200 B |
| Bromodichloromethane | µg/L | less than 0.5 | S.M. 6200 B |
| Bromoform | µg/L | less than 0.5 | S.M. 6200 B |
| Trichloroethene | µg/L | less than 0.1 | S.M. 6200 B |
| Tetrachloroethene | µg/L | less than 0.1 | S.M. 6200 B |
| 1,2-Dichloroethane | µg/L | less than 0.1 | S.M. 6200 B |
| Others | µg/L | less than 0.1 | S.M. 6200 B |

Analysis carried out by the University of Pavia - General Chemistry Dept. on 20th June 2018

Microbiological Specifications:

| Parameter | UM | Value | Methods |
|--|------------|---------------|------------------------------|
| Standard Plate Count at 22°C (at Bottling) | cfu/ml | less than 100 | CMS n° 17/91 and D.M. 339/99 |
| Standard Plate Count at 37°C (at Bottling) | cfu/ml | less than 20 | CMS n° 17/91 and D.M. 339/99 |
| Total Coliforms | cfu/250 ml | Absence | S.M. 9222 B |
| Faecal Coliforms | cfu/250 ml | Absence | S.M. 9222 B |
| Pseudomonas aeruginosa | cfu/250 ml | Absence | CMS n° 17/91 and D.M. 339/99 |
| Faecal Streptococchi | cfu/250 ml | Absence | S.M. 9230 B |
| Staphylococcus aureus | cfu/250 ml | Absence | CMS n° 17/91 and D.M. 339/99 |
| Sulfite Reduction Clostridia Spores | cfu/50 ml | Absence | CMS n° 17/91 and D.M. 339/99 |

Analysis carried out by the University of Pavia - Public Health Department on 20th June 2018

Nutritional Information**Packaging Specifications:**

| Packing | Type | Description |
|----------------|---------------|--|
| Piece | Bottle | Glass Bottle available in the following sizes: - 250 ml Aluminum Screw Cap or Crown Cork - 500/505 ml Crown Cork; - 750 ml Aluminum Screw Cap - 1000 ml Crown Cork |
| Secondary Pack | Cardboard Box | For 250 ml Size: 24 Bottles Cardboard Box (4 Clusterpack) For 500/505 ml Size: 24 Bottles Cardboard Box For 750 ml Size: 12 Bottles Cardboard Box & 15 Bottles Cardboard Box For 1000 ml Size: 12 Bottles Cardboard Box |

Manufacturing Conditions:

In the bottling factory a HACCP system has been studied and realized according to Regulation EEC 852/2004 of 29th April 2009 "Hygiene of Foodstuffs".

The bottling factory has implemented a GMP program.

The bottling factory is ISO 9001:2015, FSSC 22000, ISO 14.000, OSHAS 18.000 certified.

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The bottling factory has a Documented Cleaning & Sanitation Program.
The bottling factory has a Documented Pest Control Program.
The product is Halal certified by HIA.
The product does not contain any Genetically Modified Ingredient.
The bottling plant can assure the product traceability by means of the lot code printed on the label.

SANPELLEGRINO SpA
Ruspino Factory
San Pellegrino Terme (BG)
ITALY

Factory Quality Assurance
Paolo Cortesi

