

Technical Specification

Issued on: 18/07/2016

Rev: 1

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)	Vol/l CO ₂	2.8	± 0.2	
Temperature at Source	°C	20.7		UNI 10500:1996
pH at Source		7.6		2060 APAT IRSA-CNR
Specific Conductance at 20°C	µS/cm	1078		2030 APAT IRSA-CNR
TDS (Total Dissolved Solids) at 180°C	mg/L	854		UNI 10506:1996
Total Mineralisation	mg/L	952		
Sodium	mg/L	31.2		S.M. 3500-Na B
Potassium	mg/L	2.2		S.M. 3500-K B
Calcium	mg/L	164		S.M. 3120 B, 3500-Ca B
Magnesium	mg/L	49.5		S.M. 3120 B, 3500-Mg B
Strontium	mg/L	2.7		ISO 17294-2
Lithium	mg/L	0.11		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	49.4		S.M. 4110 B
Sulphates	mg/L	402		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	0.013		ISO 17294-2
Bicarbonate	mg/L	243		S.M. 2320 B
Ammonium (as NH ₄ ⁺)	mg/L	less than 0.05		4030A2 APAT IRSA-CNR
Nitrate	mg/L	2.9		S.M. 4110 B
Nitrite	mg/L	less than 0.002		4050 APAT IRSA-CNR
Silica (as SiO ₂)	mg/L	7.1		4130 APAT IRSA-CNR
Antimony	mg/L	less than 0.00125		ISO 17294-2
Arsenic (As Total)	mg/L	0.001		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
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

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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 18th June 2015

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 Streptococci	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

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 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 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 FSSC 22000, ISO 14.000, OSHAS 18.000 certified.

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.

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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.

Factory Quality Assurance