

Technical Specification

Issued on: 29/05/2014

Rev: 0

S.PELLEGRINO NATURAL MINERAL WATER

Sanpellegrino

All PET STD Bottle 12M

Shelf Life: 12 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. - Country of Origin: Italy

Ingredients:

S.Pellegrino Natural Mineral Water, Natural Carbon Dioxide

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	3.0	± 0.2	
Temperature at Source	°C	22.2		UNI 10500:1996
pH at Source		7.6		2060 APAT IRSA-CNR
Specific Conductance at 20°C	µS/cm	1125		2030 APAT IRSA-CNR
TDS (Total Dissolved Solids) at 180°C	mg/L	915		UNI 10506:1996
Total Mineralisation	mg/L	998		
Sodium	mg/L	33.3		S.M. 3500-Na B
Potassium	mg/L	2.2		S.M. 3500-K B
Calcium	mg/L	174		S.M. 3120 B, 3500-Ca B
Magnesium	mg/L	51.4		S.M. 3120 B, 3500-Mg B
Strontium	mg/L	2.8		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	52.0		S.M. 4110 B
Sulphates	mg/L	430		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	less than 0.50		UNI EN ISO 10304-3:2000;S.M. 4500
Bicarbonate	mg/L	245		S.M. 2320 B
Ammonium (as NH ₄ ⁺)	mg/L	less than 0.05		4030A2 APAT IRSA-CNR
Nitrate	mg/L	2.6		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	0.002		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	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
Benzene	µg/L	less than 0.5		S.M. 6200 B
Polycyclic Aromatic Hydrocarbons (PAH's):				

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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 8th July 2011

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

Nutritional Information**Packaging Specifications:**

Packing	Type	Description
Piece	Bottle	PET Bottle available in the following sizes: - 500 ml - 750 ml - 1000 ml - 1250 ml - 1500 ml
Secondary Pack		For 500 ml Size: - 12 Bottles Shrink-Wrapped Pack (Loose) - 24 Bottles Shrink-Wrapped Pack (4 Six-Packs) - 24 Bottles Shrink-Wrapped Pack (Loose) For 750 ml Size: - 6 Bottles Shrink-Wrapped Pack For 1000 ml Size: - 6 Bottles Shrink-Wrapped Pack For 1250 ml Size: - 6 Bottles Shrink-Wrapped Pack For 1500 ml Size: - 6 Bottles Shrink-Wrapped Pack

Manufacturing Conditions:

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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 O.U. Kosher Passover certified.

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