



Acqua Ultrapura, Ultrapure Water

Product Specifications: Ultrapure water

Standards: F.U., E.P., WFI, ISO 3696 Q1, ASTM D 1193 TYPE 1, USP WFI

INCI: aqua PE: water, CAS No: 7732-18-5

EINECS / ELINCS No: 2317912 M = 18.02

Physical Appearance: clear, colorless and odorless liquid. PH from 5.5 to 7.

Parameters	Values	M.U.	Method
Toc	< 40	ppb	On-line monitoring
Sodium	1	ppb	Mass spectrometer
Chlorides	1	ppb	Mass spectrometer
Total Silica	3	ppb	Mass spectrometer
Cadmium	< DL	ppb	Mass spectrometer
Total chrome	0.03	ppb	Mass spectrometer
Iron	0.0002	ppm	Mass spectrometer
Copper	< DL	ppb	Mass spectrometer
Nickel	< DL	ppb	Mass spectrometer
Zinc	0,03	ppb	Mass spectrometer
Potassium	0,017	ppm	Mass spectrometer
Calcium	0,0008	ppm	Mass spectrometer
Magnesium	0,0002	ppm	Mass spectrometer
Gradient grade (210 nm)	< 0.01	Abs	UNI EN ISO 3696
Gradient grade (220 nm)	< 0.01	Abs	UNI EN ISO 3696
Gradient grade (254 nm)	< 0.01	Abs	UNI EN ISO 3696
Absorbance (254 nm)	< 0.001	Units	UNI EN ISO 3696
Fluorescence (254 nm)	< 0.1	RLU	Fluorimetry
Fluorescence (365 nm)	< 0.1	RLU	Fluorimetry
Nitrites	< 0.05	ppm	ISTISAN 2007/31 ISS CBB 037
Sulfides	< 0.05	ppm	ISO 10530:1992
Fluorides	< 0.1	ppm	APAT CNR IRSA 4020 Man 29 2003
Aluminium	0,08	ppb	Mass spectrometer
Nitrates	0.02	ppm	Mass spectrometer
Bacterial endotoxin	0.005	EU/ml	EP 0169
Microb. monitoring	< 10	cfu/100ml	EP 0169
Conductivity	0.056	µs/cm	On-line monitoring
Resistivity	18	Mohm-cm	On-line monitoring

Microfiltration 0.2 micron

Quality control: lot approved

Quality manager:

Santangelo Emiliano

Digitally printed document.

We certify that the product complies with the above specification.

We decline all responsibility for any pollution due to the unsuitability of your containers.

Attention: all the data indicated must be considered in the production line.

As regards chemical pollution, the product expires 18 months from the date of this document.

KEEP IN A COOL PLACE AND AWAY FROM LIGHT SOURCES.