

Millipore Milli-Q Gradient A10



Specifications:

Conductivity @ 25C (max)	0.056 uS/cm
Resistivity @ 25C (min)	18.0 Mohms.cm
Total silica value (max)	3 ug/L
Total organic carbon value (max)	5 ug/L
Chlorides value (max)	1 ug/L
Sodium value (max)	1 ug/L
Micro-organisms	≤ 1 CFU/mL
Particles > 0.22 um	≤ 1 /mL
pH	This grade of water does not contain constituents in sufficient quantity to alter pH.

Manufacturer's Description:

The Gradient A10 produces Type 1 water of very high quality, suitable for applications such as spectroscopy, chromatography, and trace-level nutrient and contaminant sampling. The system is fed by water produced by an Elix Advantage system. Features a 4-step purification of lab water:

Step 1: Plug-in Q-Gard purification packs are tailored to the feed water source to optimize the performance of downstream purification media to ensure consistent results.

Step 2: Quantum application-specific cartridges remove ionic and organic contaminants down to trace levels.

Step 3: Final purification of ultrapure water is carried out at the point-of-use by a pharmaceutical-grade, absolute 0.22 µm Millipak membrane filter that is recommended for most analytical applications.

Step 4: UV Photo-oxidation: The ultraviolet photo-oxidation process (UV at 254 and 185 nm) used in Milli-Q Gradient systems can effectively destroy organic molecules to reduce TOC levels to < 5 ppb, improving consistency and sensitivity in applications such as HPLC, IC, solid-phase extraction and UV spectroscopy.