



Certificate of Quality

Q-Gard® 1 Purification Cartridge

We certify that the product described within meets the following criteria.

Catalogue Number : QGARD00R1
Lot Number : F2JB82911
Manufacturing date : 08-JUL-2022

ISO 9001 Quality standard

This product was engineered and validated in a Millipore SAS facility which Quality Management System is approved by an accredited registered body to ISO 9001 Quality Systems Standard.

Materials

Q-Gard 1 purification cartridges contain a combination of purification media (including electronics grade ion exchange resins, activated carbon and the Organex Q™ scavenger mixture) carefully selected to remove contaminants from various feed water types. These purification cartridges are constructed from polypropylene which are low in extractables.

Product Integrity

This lot of product was statistically tested during manufacturing and met requirements for the seal integrity test.

Capacity

The exclusive Jetpore®, ultrapure grade mixed-bed ion-exchange resin used in this Q-Gard insures a minimum total capacity of 77g NaCl. Dynamic capacity of this product is greater than 50g NaCl (tested according to Millipore S.A.S. specifications).

Quality Assurance Lot Release Criteria

This manufacturing lot was sampled, tested and released by Quality Assurance to the following specification:

- Burst strength: Samples met the Millipore SAS requirements for destructive burst test.
- Resistivity: Samples met the requirements for ASTM Type 1 Water, achieving resistivity above 18.0 MΩ.cm at 25°C.
- TOC: Samples achieved TOC levels below the specifications given in table after flushing with Elix® water as indicated in the following table.

Burst test	TOC
> 20 bar > 290 psi	< 10 ppb

Laetitia Breitwiller
Quality Assurance Manager – Lab Water