

Design for sustainability (DfS) scorecard



With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.

Milli-Q® polishing kit for Elix® water



Reengineered cartridges with optimized resin mix, packaging and end-of-life management

Impact areas

Results



MATERIALS

Optimization of resin mix for the IPAK Meta® polishing cartridge leading to a 17% reduction of the weight of the polishing kit consisting of one IPAK Meta® and one IPAK Quanta® polishing cartridge, with same performances and lifetime of the cartridges when using Elix® water



SUPPLIERS & MANUFACTURING

More than 85% of the product’s upstream supply chain and manufacturing are covered by suppliers (Tier 1) who participate in the Together for Sustainability initiative with a valid assessment



PACKAGING

51% packaging weight and 45% packaging volume reduction thanks to new protective insert design and twin box concept
Corrugated box and protective inserts with sustainable forestry certification



ENERGY & EMISSIONS

No change compared to baseline product in consideration of our DfS criteria



WATER

No change compared to baseline product in consideration of our DfS criteria



USABILITY & INNOVATION

Easy and quick cartridge replacement thanks to unique patented twist and lock technology



CIRCULAR ECONOMY

Implementation of a drain cap enables to purge an average of 74% of the water from the polishing cartridges, representing an average of about 35% of the cartridges’ total weight prior to disposal

Baseline product: IPAKKITA1 – Milli-Q® IQ/EQ 7000 Purification Kit