



Not to be mistaken with reduced alkaline water with active agent in the form of dissolved dihydrogen (H₂).

There are devices on the market capable of producing strongly reducing alkaline water with a redox potential (ORP) ranging from approx. -400 to -700mV with a large fluctuation possible over time. The rH₂ values being between 0.9 and 2 confirm their important reducing capacity...

In summary, standard alkaline waters (generally dedicated to drinking purpose):

- pH 8 to 9.5, ORP up to -600/-700mV. Presence of dihydrogen (H₂).
- Very unstable, rapid loss of basicity and reducing power.
- Ionic properties unstable and highly variable depending on the manufacturing process used.
- Based on standard tap water without mineral control.
- Strong decrease of pH if diluted
- Potential presence of strong toxic bases like NaOH and/or KOH.

In the case of ADW S-100, the technology is different and unique to date (mainly dedicated to health and care through dedicated formula/dilutions):

- Does not contain dihydrogen (H₂).
- Perfectly reproducible: produced with natural water, ultra-filtered and enriched with selected natural minerals (Na, Si, K, P, Mg, Ca, Cl) and ionized.
- High and safe pH of >11.5 combined with low basicity (equivalent to approx. 0.04M NH₄OH).
- Unique architecture of OH⁻ molecules bonded with Si and P, based on Lewis theory. High proton mobility.
- The measured redox value is low (approx. -30 to -50mV) and yet its antioxidant power is high, as measured in BAP (Biological Antioxidant Potential) or CEAC (Vit C Equivalent Antioxidant Capacity) or PAT.

- It combines the two advantages of a high pH and a high antioxidant capacity.
- Does not contain any sodium hydroxide (NaOH) or potassium hydroxide (KOH)
- The pH and characteristics of ADW S-100 remain stable over time (several years).
- Can be diluted with demineralized water while maintaining its ionic properties.
- Non-aggressive, non-cytotoxic, biocompatible.

Advanced Water S-100 is totally different. It is not about dissolved dihydrogen (H₂). It has a safe high pH of 12, stable over time, specific mineralization, a slightly negative ORP value (approx. -30mV to -50mV) and is biocompatible.

Nevertheless, it has a high reducing power. The ORP method according to the classical formula is not sufficient to fill in the redox of Advanced Water S-100. Indeed, the redox-meter cannot measure the value at the electrode interface at the nanoscale, so the measured value does not represent the redox power at the reaction interface in the case of a complex electrolyte such as S-100. The most powerful analytical technique is based on electrochemistry where the resistance of the sample to be oxidized is translated to antioxidant capacity and expressed in μmol (ascorbic acid) vitamin C such as CEAC or BAP. Advanced Water S-100 shows substantial antioxidant values.

The pH value of Advanced Water S-100 is not defined by the concentration of hydrogen ions or hydroxide ions but by its electrons according to Lewis' theory.

- Unequaled, ionized mineralized water
- Unique properties thanks to its natural essential minerals and high pH with low basicity.
- Patented JP2007050400
- INCI Name: Water & Mineral salts
- Composition: H₂O (99,7%), Na, Si, K, P, Mg, Ca, Cl (0,3%)
- Naturality: 100% according to ISO 16128
- Ecocert non-organic raw material: COSMOS approved