**Smartest active ingredient and excipient**

Advanced Water S-100 is an active water consisting in a unique mineralization with high reducibility and semi-permanent stability caused by molecular ions with electron rich state. These molecular ions are characterized as high pH and weak basicity according to Lewis theory.

**Unique mechanisms of action**

**Skin’s cleansing & purifying power**

Thanks to its negatively changes ions, Advanced Water S-100 easily penetrates, quickly encapsulates all kind of particle, molecules, micro-organisms, sebum (…), and removes them by repulsion effect (due to same polarity).

**Antibacterial and preservative effect**

Advanced Water S-100 quickly polarizes pathogen bacteria. Bacteria outer membrane (Gram-) is dissolved by ions force, leading rapidly to the destruction of the cell nucleus, eliminating any chance of re-contamination. Gram+ type bacteria are quickly dislodged by repulsion force. Bacteria, even alkaliphilic bacteria which are comfortable with high pH, cannot survive in pH over 10.5. Thanks to its high alkalinity Advanced Water S-100 acts as a preservative while being not classified as biocide nor bactericide.

**Cell’s ionic balance and regeneration**

In the pursuit of balance and like every other organ in our body, skin performs best within a narrow, ideal environment especially when it comes to pH. When it deviates from its ideal value it can cause harmful bacteria to grow, triggering inflammation and skin conditions and causing accelerated ageing.

For our cells to be in their best health they need to be within an alkaline environment and creating this environment has multiple benefits – the cells can function at their optimum levels, they can properly absorb essential minerals, the skin’s defence system remains intact and the important protein collagen is strengthened and protected.

**100% biocompatible**

Thanks to its weak basicity (equivalent to 0.04M NH4OH) Advanced Water S-100 fully respects natural skin’s pH as being quickly neutralized when in contact with its natural organic acids. It easily penetrates the different skin’s layers without damaging cell’s membrane and cutaneous microbiota, unlike surfactants, alcohol, preservatives (…) which presence in most of today cosmetic/OTC formulas seriously denature and damage skin’s tissues. Advanced Water S-100 is the only ionized and mineralized alkaline water free of chemical and harmful ingredients.

**Champion of minimalist formulations**

Thanks to its unique properties, Advanced Water S-100 acts both as an excipient and active ingredient.

Clinically tested and proven, it opens great opportunities for a new generation of active cosmetics e.g. face/body spray or dermal gel as well as a wide line of minimalist formulas for body hygiene and care.

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**Natural effectiveness**

*Patented and unique manufacturing process*

From the purest mountain waters, S-100 water is ultra-filtered then mineralized and structured through an electrolytic process, generating high pH and unique molecular compositions mainly associated with silicium and phosphorus. This is the result of an innovative, patented electrolytic process as well as longstanding expertise and know-how. Advanced Water S-100 is extremely stable and keeps its ionic properties for years. The production process of Advanced Water S-100 is clean and without any negative impact on the environment.

*Advanced Water S-100 is an active water consisting in a unique mineralization with high reducibility and semi-permanent stability caused by molecular ions with electron rich state. These molecular ions are characterized as high pH and weak basicity according to Lewis theory.*

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**Proven efficacy in hospitals**

Advanced Water S-100 is used in clinics mainly as a therapeutic support for the following cases:

- Ulcers
- Burns
- Atopic dermatitis
- Healing
- Acne (…)

Advanced Water S-100 also exists as water gel (CC6 gel) by mixing S-100 with 1% CMC-Na (sodium carboxymethyl cellulose gum). It keeps same properties for dermo-cosmetic applications.

In case of oral-dental care, significant reduction of the plaque and tartar are observed as well as antibacterial effect against gingivitis and periodontosis combined with reduction of gums’ inflammation.

- Oral-dental care
- Gingivitis
- Periodontosis

**Example of antibacterial effect against periodontal bacteria**

Pictures made by microscope involving a patient suffering from periodontosis (P. gingivalis bacteria). Close to total elimination of bacteria after 15 seconds. Toothbrushing with 1g CC6 gel for 2 minutes.

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*INCI name: Water and Mineral Salts
Composition: H2O (99.7%), Na, Si, K, P, Mg, Ca, Cl (0.3%). Unique pH of 12 with very low basicity.*

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*Examples / extracts from scientific papers / clinical cases with Advanced Water S-100. Plus d’info voir www.adwatis.com*