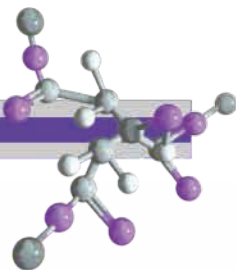


SILVÉRIION²⁴₀₀



SILVÉRIION[®] 2400 Deodorant Active for Personal Care



SILVÉRIION 2400 is a water-soluble natural antimicrobial containing Silver Dihydrogen Citrate (SDC), a revolutionary, novel ionic silver technology for use in deodorant formulations.

Features and Benefits

- Strong activity against *Corynebacteria*
- Excellent water solubility
- Effective at low concentrations
- Good compatibility with cosmetic ingredients
- Prevents formation of body malodor
- Easy to formulate
- Broad range of product forms possible
- Cost-effective formulations

Differentiate your product
with SILVÉRIION[®] 2400

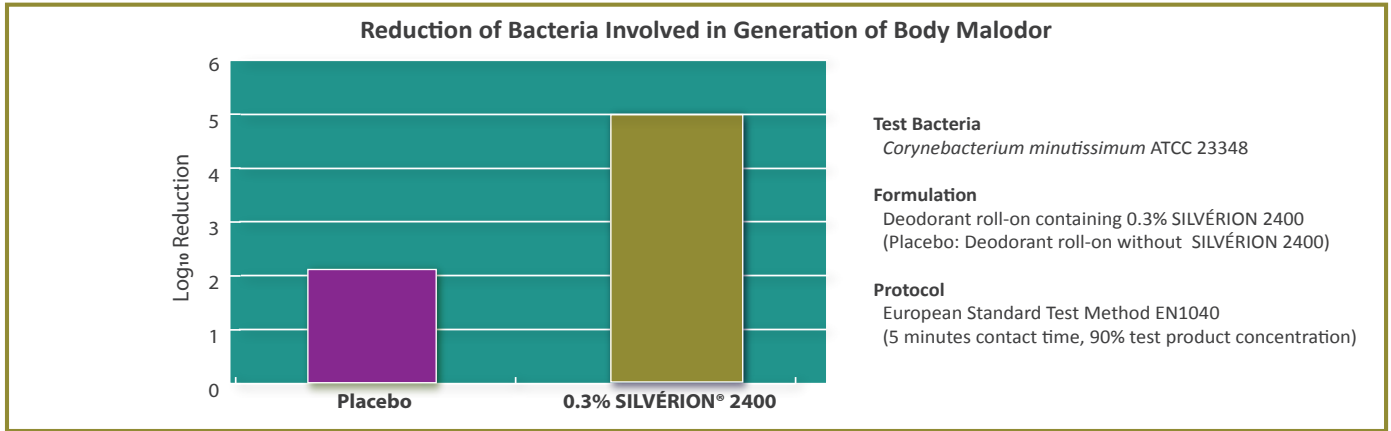


SILVÉRIION® 2400

Deodorant Active for Personal Care

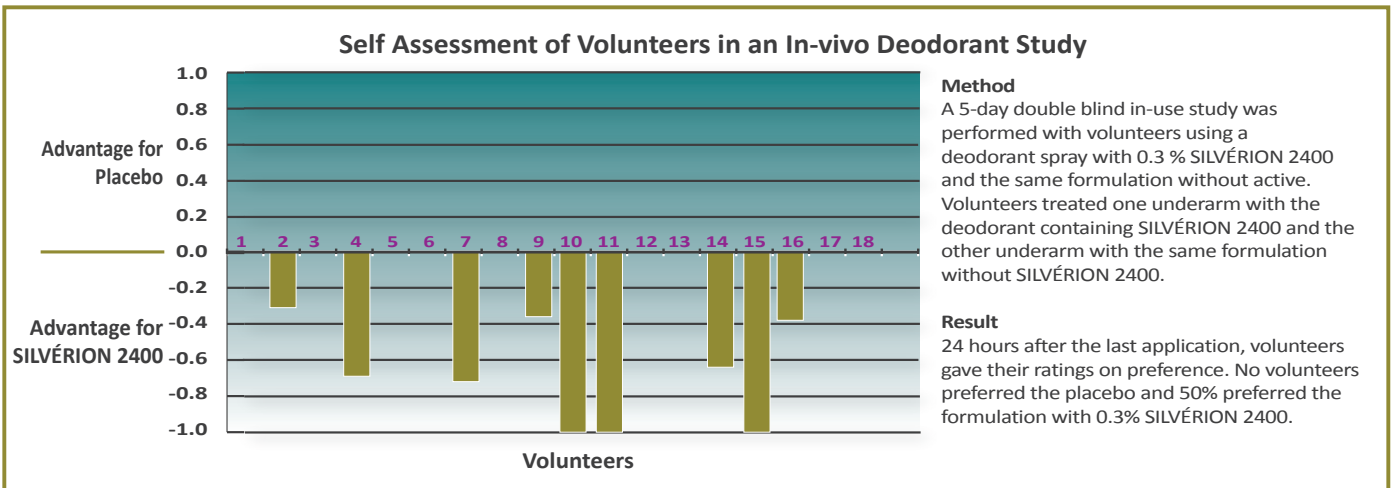
Strong reduction of bacteria involved in body malodor formation

Apocrine sweat glands located primarily in the axillary region produce a secretion containing proteins, sugars, ammonia and steroids. Freshly secreted apocrine sweat is sterile and odorless. Typical axillary odor is a result of apocrine sweat metabolized by resident skin bacteria, namely the Gram-positive *Corynebacterium* group. SILVÉRIION 2400 prevents the formation of body malodor by reducing the number of bacteria available to metabolize human sweat. A study with a roll-on emulsion containing 0.3% SILVÉRIION 2400 showed a 99.999% (i.e. 5 log) reduction of *Corynebacterium minutissimum* within 5 minutes.



Efficient malodor prevention

Efficacy of a deodorant formulation containing 0.3% SILVÉRIION 2400 was investigated under in-vivo conditions with a panel of 18 volunteers.



- SILVÉRIION 2400 is compatible with a broad range of cosmetic ingredients and stable in formulations with pH<7, including emulsions based on anionic and non-ionic emulsifiers and rinse-off products containing anionic, non-ionic or amphoteric surfactants.
- SILVÉRIION 2400 is highly water soluble and easy to incorporate into emulsions produced in a cold process. During manufacturing of emulsions produced by hot process, SILVÉRIION 2400 should be added to the final formulation after it has cooled down.
- SILVÉRIION 2400 is an excellent tool for cosmetic formulators for the development of effective deodorant formulations with long-lasting freshness.

**Differentiate your product
with SILVÉRIION® 2400**



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