



# SalSphere® Color Guard (SS CG)

A technology for color retention in color-treated hair preventing chemical stripping and UV damage while locking in the color vibrancy.

Most benchmark products that claim to protect color-treated hair have limited efficacy because of difficulty with formulation. They are also full of chemicals and ingredients that can do more damage than good for your hair. SS CG works to achieve optimal results in both leave-on and wash-off formulations alike through synergy between polymers and highly pure natural extracts.

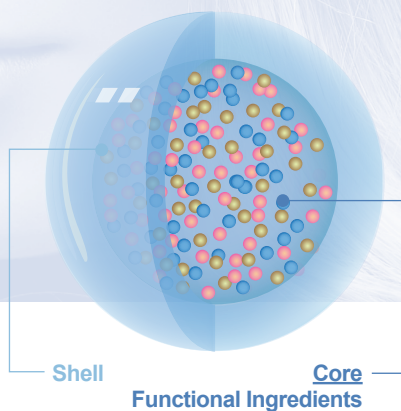


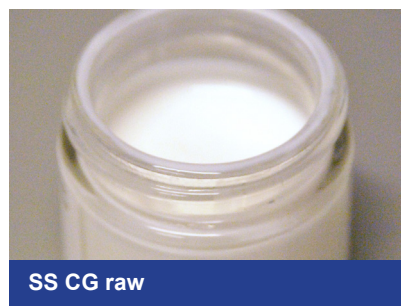
Figure 1: The sub-micron structure of SS CG.

## UNIQUE FEATURES

- 1 **LONG-LASTING HAIR COLOR**  
Visibly better retention over a month of washes.
- 2 **MULTI-FACETED PROTECTION**  
Protects from the sun and even chemical stressors.
- 3 **EASY TO FORMULATE WITH**  
Simply drop into most water-based haircare formulations; use at low level (5%) to achieve significant results.

## HOW THE TECHNOLOGY HELPS YOU

SS CG is a sub-micron encapsulation system (Figure 1) engineered to adhere to and seal hair. This prevents the cuticle from opening in the presence of shampoo and reducing the staying power of the color.



## FUNCTIONAL INGREDIENTS

The functional ingredients in SalSphere® technology work synergistically with polymers to provide a multitude of benefits.

**UV filters:** Shield the hair from potential sun damage.

**Fatty acids:** Strengthen and protect the hair.

**Broccoli seed extract:** Smooth the hair, enhance the hair's natural shine, and lock in color vibrancy.

- 1 Shampoo/Conditioner
- 2 Serum
- 3 Gel

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### LONG-LASTING HAIR COLOR

The effect on color retention was studied using tresses of human hair treated by commercial hair color. The hair was washed in cycles of shampoos and conditioners containing SS CG technology, comparing them to market products.

Hair tresses washed with SS CG retained greater color intensity over all eighteen washes, per colorimetry assays (Figure 2). Consumer opinion panels rated the SS CG-treated hair higher than their counterparts for color retention (Figure 3).

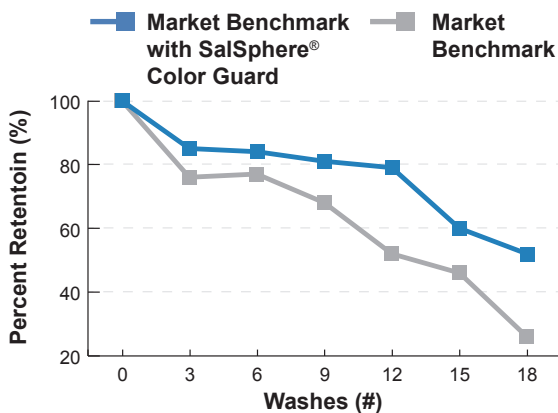


Figure 2: Color retention over 18 washes (Colorimeter).

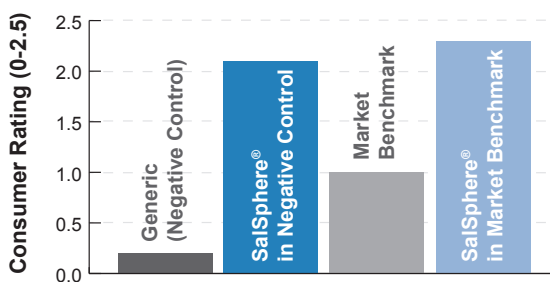


Figure 3: Color retention over 18 washes, based on consumer ratings.

### ENHANCED SHELF LIFE

**HydroSal® SaSilk (HS SLK):** A protective encapsulation technique allows for the safe delivery of keratin into hair. Leaves hair visibly thicker, lustrous, and healthier-looking after just one wash.

**SalSphere® Natural Hair Growth Promoter (SS NHGP):** A blend of proven, natural ingredients including procyanidin B2 that work to increase hair density and diameter. Encapsulation preserves extracts from unsightly discoloration.

### FORMULATION

Ingredients	(W/W %)
SalSphere® Color Guard	3
SalSphere® Style Protector	3
SalScent®	5
Salvona Pre-Mix S # 5016	15
DI Water	73
Preservative	1

### TECHNICAL DATA

Appearance @ 20°C	Opaque liquid
Applications	Hair care products such as shampoos, conditioners, serums, gels, and leave-in treatments
Color	Off-white
Odor	Characteristic
pH (1 % solution)	6.0 ± 1.0
Shelf Life (months)	18
Usage Level (wt%)	1-20
Storage (°C)	Closed container at 12-32°