



GX100

Product Description:

GX100 is an alkyl quaternary ammonium salt, which is a conventional cationic surfactant, with good chemical stability, excellent penetration, softening, antistatic and bactericidal characteristics. As a commonly used alkyl quaternary ammonium surfactant, this product has a narrower carbon chain range, which improves hair softness and antistatic properties, and is often used as a hair conditioner to improve hair performance.

INCI name:

STEARTRIMONIUM CHLORIDE

Product characteristics and efficacy

Insp. Characteristic	DATA
Appearance	Colorless transparent to milky flocculate
Active Content %	29.0~31.0
Amine hydrochloride and free amine %	≤2.0
PH Value (1.0%solution)	3.0-6.0
Water Content	68.0~72.0
Alcohol	Free

*It does not contain organic solvents, has little irritation to the scalp, and is mainly used in hair care products, which can effectively improve the combability of wet hair and dry hair, and has low accumulation.

*Different from the proportion distribution of traditional 1631/1831 carbon chains, this product has a narrower carbon chain range, which is a very good alternative to 1631/1831. It does not contain organic solvents, which reduces the viscosity of solvents to products;

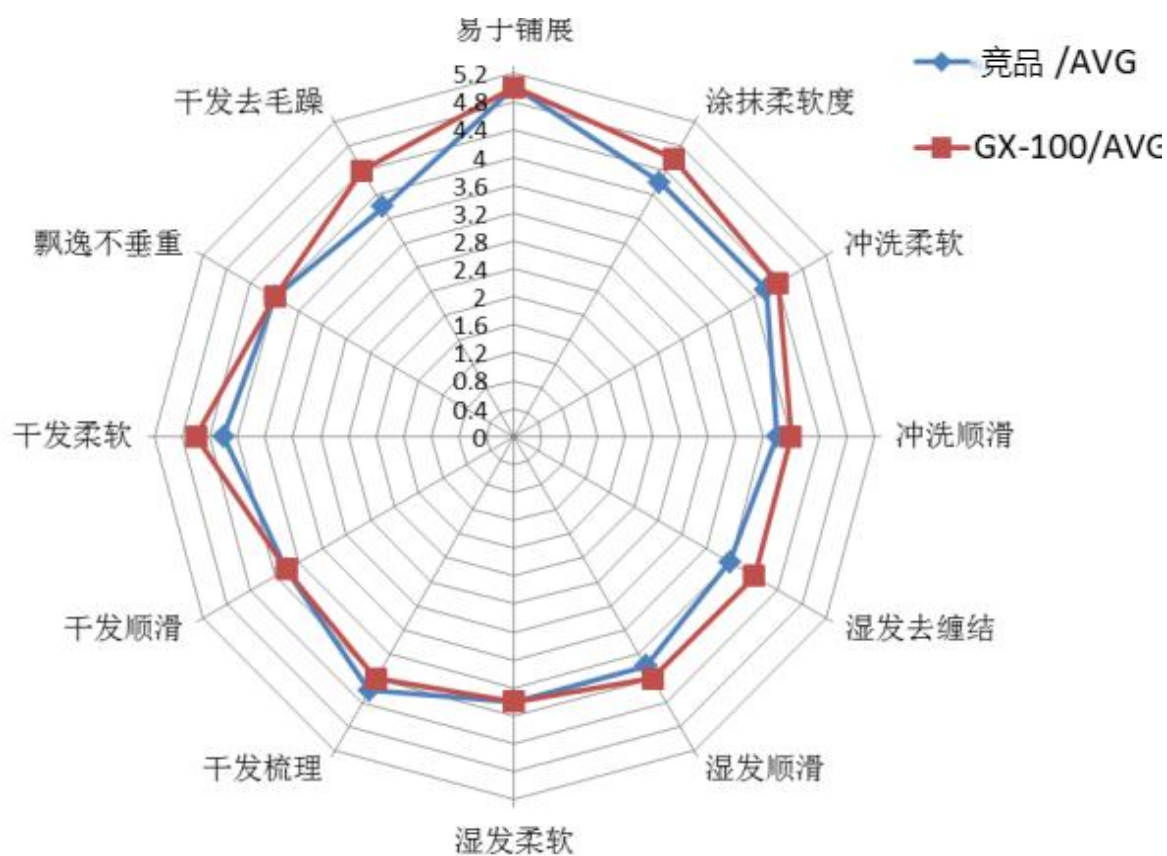
*The narrow carbon chain range makes the high-carbon part more concentrated, which significantly improves the emulsifying performance and conditioning of the product, antistatic properties, and better compliance.



Therefore, the product can also replace 1831/1631 in the case of non-equal active substance; The recommended substitution ratio: 1631/1831:GX100 $\approx$ 1:1.5, which has a better cost performance while achieving the same excellent conditioning performance.

Performance analysis

Compared with other 1831s, GX100 has a narrower range of carbon chains, better conditioning properties, no organic solvents, and less irritation to hair. The following figure shows the half-head performance test results of GX100 and its competitors in hair care products:



Application

Hair care products: reference dosage: 3.0~10.0%;

Hair coloring products: Reference dosage: 2.0~5.0%

Perm products: Reference dosage: 1.0~4.0%

Formula application:

*Hair care products: conditioner, hair mask, baking ointment, tonic oil

*Hair color products: permanent hair dye cream, semi-permanent hair dye waxing



*Perm products: ion perm, cold perm, pre-perm care solution

Packaging & Storage:

50/150kg/plastic drum, store in a ventilated and cool place.