



Glucoside 600

INCI **Lauryl glucoside**
CAS **110615-47-9**

SPECIFICATIONS

Appearance	Hazy, pale yellow viscous liquid
Active content (%)	50 - 55
pH (10% aq. sol.)	11.5 – 12.5
HLB	12
Viscosity (mPa.s at 40°C)	3800 - 4200
Preservative	None

GENERAL INFORMATION

Glucoside 600 is an Alkyl polyglucoside (APG), non-ionic surfactant widely used as primary or basic surfactant as well as co-surfactant in the formulation of cosmetic products declared as “natural”.

Glucoside 600, as the other APG's, provides superior performance by combining the formulation ease of typical non ionics with the foam characteristic of anionics.

With excellent detergency and processing benefits in a variety of cleaning products, Glucoside 600 exhibits superior wetting, dispersing and interfacial tension reduction properties for increased soil removal and emulsification. Alkyl polyglucosides represent the newer class of Polyethylene glycol (PEG)-free surfactants, completely biodegradable and produced from renewable resources.

Lauryl glucoside has excellent dermatological compatibility, good conditioning power and is able to increase the viscosity of detergents. It appears as a very viscous and turbid liquid. At temperatures below 38°C it reaches the density of a paste. It is sold as an aqueous solution with a concentration between 50 and 55% (SAL) with an alkaline pH that allows the absence of preservatives. Among the APG it is the most delicate surfactant and suitable for formulations for sensitive skin and intended for children.

FORMULATIONS & RECOMMENDATIONS

Store in a cool, dry place away from sources of light and heat. At temperatures below 15°C, crystallization, turbidity and sedimentation phenomena may occur, which do not compromise the effectiveness of the product and can be resolved by heating and mixing until homogeneous.

Recommended use concentration
2.0 – 15% as surfactant

Solubility
soluble in water

BENEFITS

- Mild
- Soluble in highly alkaline solutions
- Readily biodegradable
- Good detergency and wetting properties
- Compatible with anionic, cationic and other non-ionic surfactants
- Good hydrotropic and solubilizing properties
- Compatible with strong acids

REGULATORY

ECOCERT/COSMOS	Approved
NATRUE	Allowed
RSPO	Certified

APPLICATIONS

Fragrances
Pharmaceuticals
Natural extracts

- Cosmetics**
- Skin care
 - Sun care
 - Baby care
 - Make up
 - Hair care
 - Toiletries

SHELF LIFE

12 months under proper storage conditions.