



COCO GLY DOC

Toiletries & Washes

4 in 1 specialty
Viscosity builder and adjuster
Foam builder
Mild surfactant and emollient



COCO GLY DOC TECHNOLOGY

4 in 1 active for rinse off formulations

Viscosity building and adjustment at the end of production

Liquid form, easy to dose

Foam booster

Gentle cleansing action

Skin moisturization boosted by the patented Olivoil PCA,
the «green silicon»

Ideal for face, body and hair care

MARKET POSITIONING

INCI NAME

Aqua, potassium
olivoyl PCA, PEG-
120 methylglucose
dioleate, sodium
cocoyl glycinate



Thickening agent based on Oleic Acid and Glucose

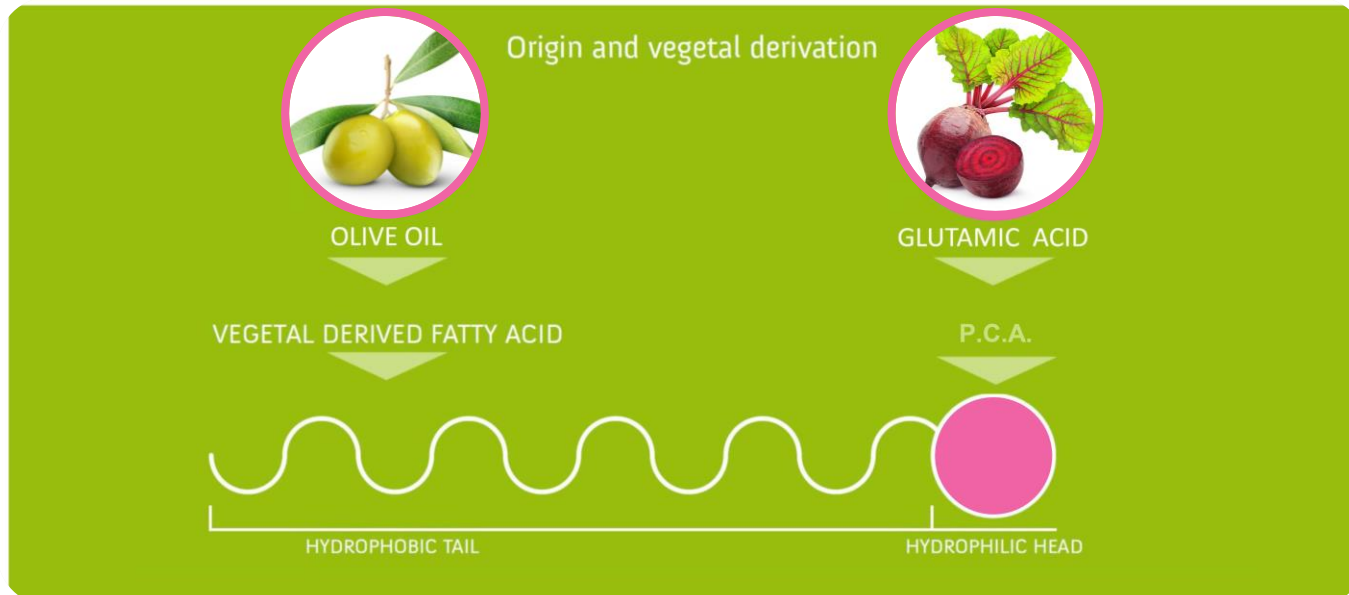
Known thickener in cosmetics industry

Features exerted in Coco Gly Doc:

- Thickening Power
- Emolliency (Oleic Acid)
- Moisturization (Glucose and PEG)



COCO GLY DOC TECHNOLOGY



Potassium Olivoyl PCA

POTASSIUM OLIVOYL PCA

Lipo-aminoacid containing
condensed olive oil fatty acids
and
PCA,
forming an anionic amphiphilic
unit able to form a skin
moisturizing and emollient
macromolecule



COCO GLY DOC TECHNOLOGY

SODIUM COCOYL GLYCINATE

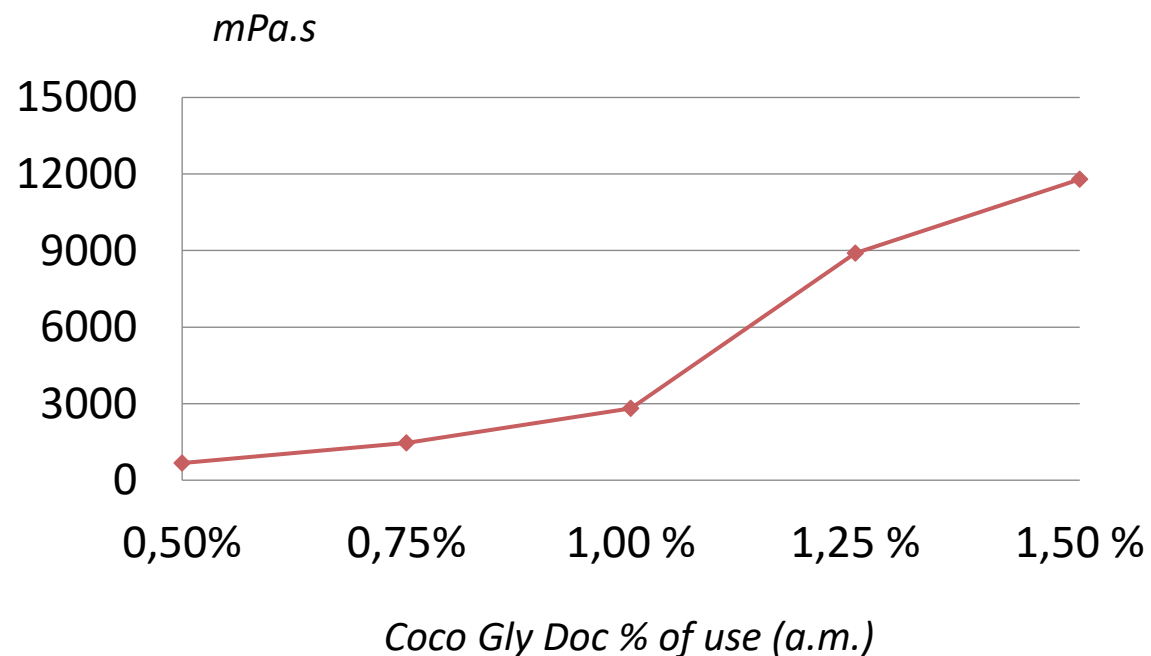
Mild - Vegetable surfactant, obtained by condensation between Coconut Oil fatty acids and Glycine, it is known for its mildness and physiological compatibility

Features exerted in Coco Gly Doc:

- Foam boosting
- Facilitates PEG-120 Methyl Glucose Dioleate solubilization
- Reduces sulfates aggressiveness



COCO GLY DOC TESTS



THICKENING TESTS

Wash system containing:

Aqua	
CocamidoPropyl-Betaine	25 %
OLIVOIL GLUTAMATE	10 %
Glycerin	3 %
Parfum	1 %

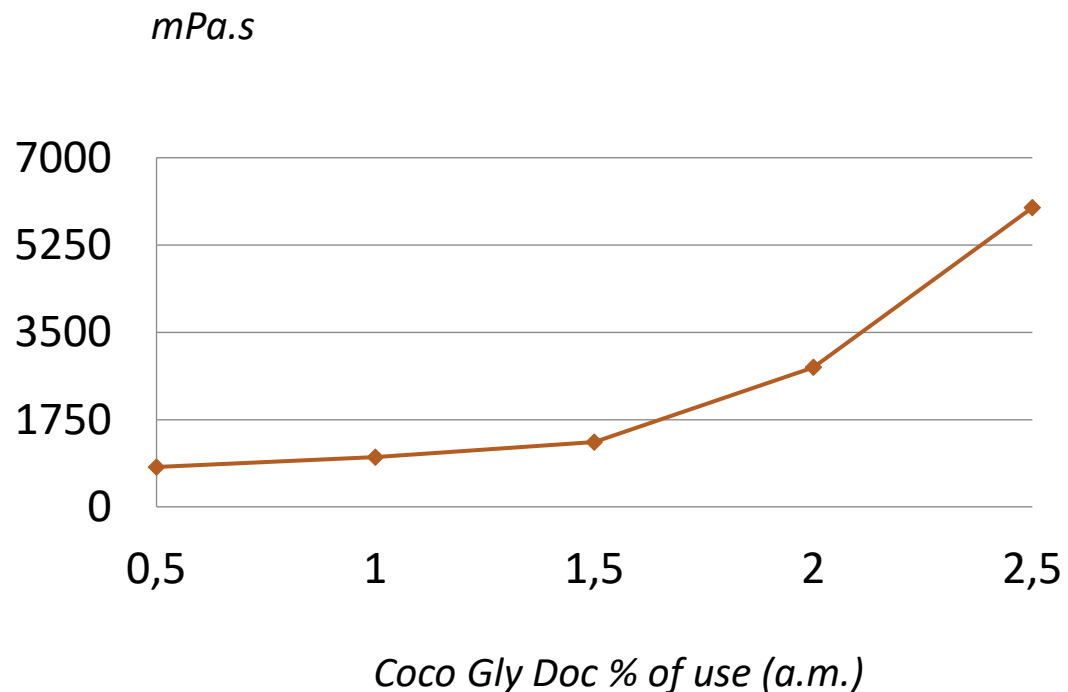
Coco Gly Doc is active at low %

It thickens efficiently Sulfate free formulations and surfactants

(Coco Gly Doc is concentrated at 50%: the above tests are made considering the active matter)



COCO GLY DOC TESTS



Coco Gly Doc is active at low %

It thickens efficiently Sulfate based formulations and surfactants

(Coco Gly Doc is concentrated at 50%: the above tests are made considering the active matter)

THICKENING TESTS

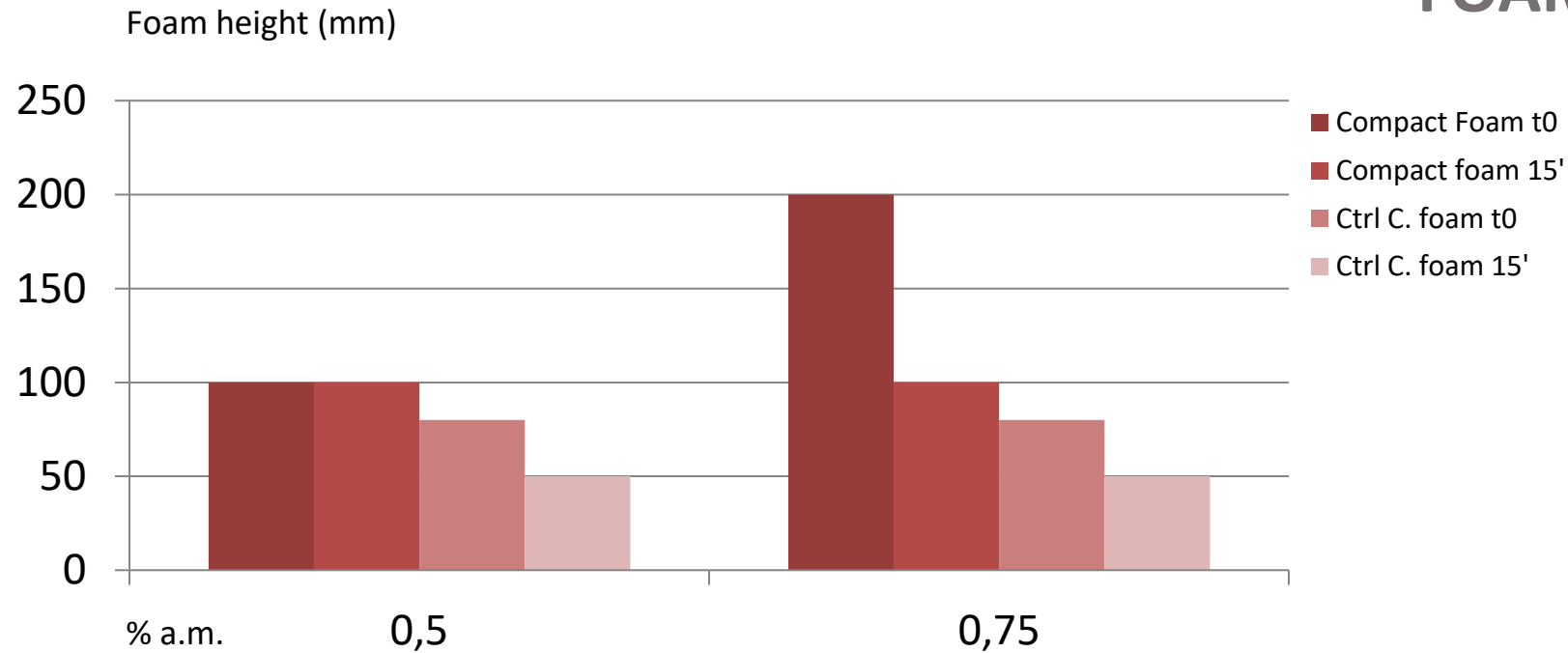
Wash system containing:

Aqua	
SLES	20 %
Cocamidopropyl betaine	5 %
Propanediol	3 %



COCO GLY DOC TESTS

FOAMING TESTS



The best results obtained with amounts of **1,5 % Coco Gly Doc** in the formulation (0,75 % a.m.)



COCO GLY DOC TESTS

RECOMMENDATIONS OF USE FOR FOAM BUILDING

The foaming quality and quantity boosting action is linked to the lipoaminoacids
Potassium Olivoyl PCA and Sodium Cocoyl Glycinate

Recommended concentration: 1.5 ÷ 2.0 % for obtaining creamy and compact foam

Increases foaming features of acyl-glutamates, lipoaminoacid/polypeptides and acyl-sarcosinates



COCO GLY DOC TESTS

MOISTURIZING FEATURES

PCA & olive oil derived unsaturated fatty acids restore the skin hydrolipidic film through the barrier function restoring of Oleic Acid and Linoleic Acid, and the direct moisturization provided by the PCA

Glycine and glucose lower the aggressiveness of primary surfactants



COCO GLY DOC TECHNOLOGY

APPLICATIONS AND WAY OF USE OVERVIEW OVERVIEW

4 IN 1 SPECIALTY

Viscosity builder and adjuster at the end of the production process

Foam booster

Gentle surfactant for mild cleansing

Emollient, skin barrier restoring, hair compatible and moisturizing

Concentration of use: $2.0 \div 5.0$

Use in cold process if the surfactant mix has intrinsic viscosity

Heat if the surfactant mix is totally liquid

