

# KLEANSTANT™

Sustainable Surfactant from Upcycled Coffee By-Product Lipids

PRODUCT NAME	PRODUCT CODES	INCI NAME	FORM
KLEANSTANT™	01101	Potassium Coffeate	Liquid



## 01. PRODUCT DESCRIPTION

KLEANSTANT™ is a natural anionic surfactant derived from coffee by-products, containing potassium salts of palmitic and linoleic acids, along with polyphenols, tocopherols, and diterpene esters. It has cleansing, emulsifying, foaming, and antioxidative properties, and a moisturising effect<sup>1</sup>. It's sulphate and petroleum-free, naturally biodegradable, and enabling the reduction of the carbon footprint.

KLEANSTANT™ offers an eco-friendly alternative for gentle personal care products, and its unique fatty acid composition and natural constituents found in coffee oil make it an excellent natural alternative to traditional surfactants, enabling formulators to create innovative personal care products that are both effective and eco-friendly.

## 02. BENEFITS

### Personal Care Benefits:

- » Rich With Antioxidants
- » Soft Feel
- » Moisturising Effect<sup>1</sup>

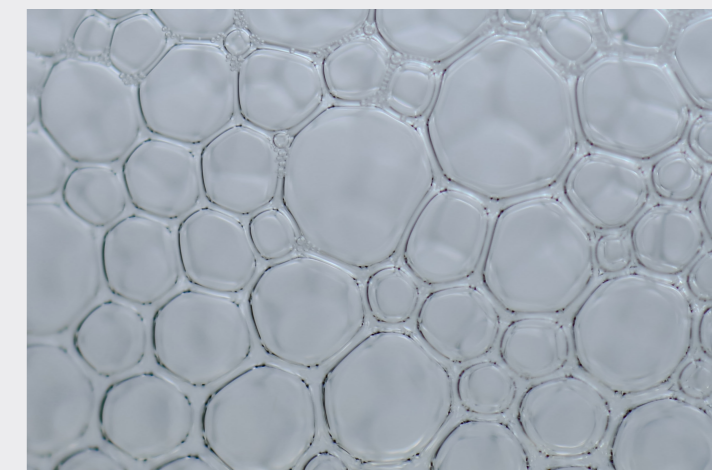
### Formulation Benefits:

- » Acts as an Emollient
- » Highly Soluble in Many Solutions
- » Foaming
- » Naturally Biodegradable
- » Free From Sulphates & Petroleum



## 03. RECOMMENDED APPLICATIONS

- » Soaps
- » Shampoos
- » Body Washes
- » Cleansers



## SPECIFICATIONS

PARAMETER	UNIT	SPECIFICATION
SURFACE TENSION AT 1% CONCENTRATION	MN/M	35 - 40
VISCOSITY	CP	10 - 100
FOAM TEST (ROSS-MILES)	MINUTES	5
TURBITY POINT	°C	10
PH, DIRECT		11,5 - 12
TOTAL PLATE COUNT 30°C	CFU/G	≤ 10
YEASTS AND MOULDS	CFU/G	≤ 10
STAPHYLOCOCCUS AUREUS	CFU/G	ND
ESCHERICHIA COLI	CFU/G	ND

### SOLUBILITY (% G PRODUCT/G SOLVENT):

WATER	ETHANOL	GLYCEROL
100%	100%	100%

ACTIVE CONTENT (%): 20%





## REFERENCES

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<sup>1</sup> Own data (in collaboration with Alfa Chemistry Lab)