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Technical Information

Plantapon® LC 7

PRD 30532521

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Anionic Surfactant

INCI name(s)
Laureth-7 Citrate

Chemical description
Ester of ethoxylated Fatty alcohol and Citric acid

Physical form:
Clear, yellowish liquid

Molecular weight
approx. 677 g/mol

CASR-No.	Ingredient	Remark
565429-75-6	Laureth-7 Citrate	

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data
(Data which is used for quality release and is certified for each batch.)

Test property	Specification	Test method
Appearance at room temperature	Correspond to the standard	Internal method 930006
Odor at room temperature	Correspond to the standard	Internal method 930007
Active matter	min. 99.5 %	Internal method 1350 (100 - % water)
Acid value	130 - 170 mg KOH/g	ISO 660
Saponification value	210 - 250 mg KOH/g	ISO 3657
Color, Hazen	max. 400	ISO 6172

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Storage information

Shelf life
12 months

Storage temperature
Between + 20 °C and + 40 °C

Storage conditions
In original sealed containers and protected from moisture

Additional information
Storage at temperatures below 20 °C can lead to turbidity/crystallization in the product. The temperature induced turbidity/crystallization has no influence on the product quality. In order to recover clear appearance , the entire container must be heated , preferably with stirring, at approx. 40 °C.

Stabilising additives / Auxiliaries

Preservatives
not present

Antioxidants
Mixture of Tocopherol and Hydrogenated palm glycerides citrate

Solvents
not present

Others
Citric acid

General information

Raw material basis

Vegetable:	(coconut/palm kernel oil, citric acid)
Synthetic:	(ethylene oxide)

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Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)	Content
Laureth-7 Citrate	min. 92.5 %

Auxiliaries

INCI Name (US/EU/CN)	Content
Citric Acid	max. 7 %
Tocopherol	approx. 0.03 %
Hydrogenated Palm Glycerides Citrate	approx. 0.02 %

Miscellaneous information

Example of use

Plantapon® LC 7 is a anionic citric acid-derived surfactant with an excellent dermatological and active care profile. When incorporated into personal wash formulations, such as body washes, shampoos, facial washes or baby cleansing products, Plantapon® LC 7 provides moisturization and care to skin and hair. Being 100 % active, it contains no added water and can thus be used in non-aqueous products, such as bath and shower oils.

Intended for use as cosmetic ingredient

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