

Akogel™

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Description

Akogel™ is a blend of refined, hydrogenated and deodorised food grade vegetable oils and fats, carefully selected to obtain an oxidation stable product with a semi-solid consistency. This vegetable gel is developed to be an alternative to petroleum jellies. Akogel™ has a neutral odour and a light yellow colour.

INCI: Hydrogenated Vegetable Oil, EINECS number: 269-820-6, CAS number: 68334-28-1

Application

Akogel™ is designed for use in cosmetic and dermatological formulations mainly for skin care applications.

Sustainability

Produced in accordance with the requirements of RSPO supply chain model for Mass Balanced sustainable palm oil.

RSPO Supply Chain Certification No. CU-RSPO SCC-817671

Specifications

Colour 5 1/4" Red	Max 2,0	Lovibond Tintometer
Acid value (mg KOH/g)	Max 1,0	IUPAC 2.201(m)
Peroxide value (meq/kg)	Max 1,0	AOCS Cd 8b-90(m)
Iodine value Wijs	50 - 58	IUPAC 2.205

Typical values

Saponification Value (mg KOH/g)	210	IUPAC 2.202
Slip melting point (°C)	39	AOCS Cc 3-25
Oil stability index 110°C (h)	180	AOCS Cd 12b-92(m)
Solid fat content		IUPAC 2.150(a)
10°C (%)	65	
20°C (%)	30	
30°C (%)	13	
35°C (%)	8	
40°C (%)	3	

Packaging

Cartons of 25 kg Drums 185 kg

Above product is produced according to relevant national legislation. Specified values are guaranteed by AAK at the time of manufacture. As the specific application is beyond our control, users should conduct their own tests to assure the suitability of the product for a specific application.



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Storage

Akogel™ should be stored in dark, dry and odour free conditions. Recommended storage temperature is 15-20°C or below.

Shelf life

When stored in unopened original container according to recommended storage conditions, the recommended maximum storage time is three years from the production date. Within this time Akogel™ fulfils the shelf life specification.

Shelf life specification

Peroxide value (meq/kg) max 5

Acid value max 1.0

Other information

For additional information about ecological data, shelf life etc see Product Documentation.

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