

# Akosun™

Customer name

Cosmetic Ingredient

Product number(s) | Site(s) of manufacturing

8553 | AAK-SE

Version

13

Document date

2022.01.20

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Page

1 / 2

## Description

Akosun™ is a refined, bleached, deodorised and winterised vegetable oil with high content of monounsaturated fatty acids. This high oleic oil is developed from specially selected varieties of sunflower seed, which has been produced using conventional plant breeding techniques. Akosun™ has therefore very good oxidation stability.

INCI: Helianthus Annuus Hybrid Oil (EU), Helianthus Annuus (sunflower) hybrid oil (US),

CAS number: 164250-88-8, Alternative EINECS number: 273-313-5, 232-273-9CAS. No 67701-28-4, 68956-68-3, 68424-60-2, 8001-21-6

## Application

Akosun™ is used in many cosmetic applications such as skincare products, bath oils and other oils for treatment of the skin. Akosun™ has also a high value in dermatological and nutritional preparations, and is also a good alternative to mineral oils.

## Specifications

Acid value (mg KOH/g)	Max 0,2	IUPAC 2.201(m)
Peroxide value (meq/kg)	Max 1,0	AOCS Cd 8b-90(m)
Iodine value Wijs	82 - 92	IUPAC 2.205

## Typical values

Density 30°C (g/cm <sup>3</sup> )	0,91	Electronic density meter
Oil stability index 120°C (h)	10	AOCS Cd 12b-92(m)
Cloudpoint (°C)	-10	ASTM D97 SS-EN 23015(m)
Refractive index 60°C	1,455	Automatic Refractometer
Fatty acid composition		IUPAC 2.304
C16:0 (%)	4	
C18:0 (%)	4	
C18:1 (%)	80	
C18:2 (%)	10	
C20:0 (%)	0,4	
C22:0 (%)	1,0	

## Packaging

185 kg drums

## Storage

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

Above product is produced according to relevant national legislation. Specified values are guaranteed ex-works AAK factories.

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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2 / 2

## Shelf life

When stored in unopened original container according to recommended storage conditions, the recommended maximum storage time is 18 months from the production date. Within this time Akosun™ 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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