

## TECHNICAL DATA SHEET

### AKOMARINE SPIRULINA HGL/FG

CODE: GU-00668

#### DESCRIPTION

Description:	Photo-protective, it prevents free-radicals attack; anti-oxidative, due to carotenoids ( $\beta$ -carotene) and to Vitamins (Vitamin E); nourishing, due to the high content of proteins (the amount of essential and non-essential amino acids can be compared with meat and milk); moisturising (due to polysaccharides); it helps the development of bones, teeth and nails and it helps some metabolic processes thanks to content of many minerals and trace elements.		
Production site:	Italy		
Composition (FDA-KEY):	(A: >50% , B: 25-50% , C: 10-25% , D: 5-10% , E: 1-5% , F: <1%)		
	Water	B	
	Glycerin	B	
	Spirulina platensis Extract	C	
INCI Name (CEE):	Aqua, Glycerin, Spirulina platensis Extract		
INCI Name (USA):	Water, Glycerin, Spirulina platensis Extract		
CAS N.:	7732-18-5 / 56-81-5 / 223751-80-2		
EINECS/ELINCS N.:	231-791-2 / 200-289-5 / --		

#### CHARACTERISTICS

#### UM

#### LIMIT

Appearance	-	lightly opalescent liquid
Odour	-	characteristic
Glycerin content	%	40 - 50
Density (20 °C)	g/ml	1.124 $\pm$ 0,01
pH (20°C)	-	5.59 – 7.59
Solubility in water (5g/100 ml)	-	Soluble
Solubility in ethanol 60% Vol (5 g /100 ml)	-	Soluble

#### MICROBIOLOGY

#### UM

#### LIMIT

Total Plate Count	ufc/g	$\leq$ 100
Yeasts and Molds	ufc/g	$\leq$ 10

## IMPURITIES/CONTAMINANTS

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Pesticides (Organochlorine e Organophosphat):	according to limits of current Eur. Ph.
Heavy metals and Impurities:	according to limits of current Eur. Ph.

## PRESERVATIVES

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Potassium sorbate:	0,4 % w/w
INCI Name:	Potassium sorbate
CAS Number:	24634-61-5
EINECS\ELINCS Number:	246-376-1

## CERTIFICATE LIST

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CMR	free of
GMO	free of
Allergens	free of
BSE/ TSE	free of
Gluten	free of
Nanomaterials	free of
V.O.C (Volatile Organic Compounds)	free of
Irradiation	not irradiated
SVHC (Substance of Very High Concern)	free of
Latex, Lactose, Palm Oil	free of
Animal NON-testing	complies (never tested)
GMP compliance	complies
REACH (Regulation N. 1907/2006)	Extract: exempt < 1 tonn/year Glycerin: exempt from registration



Compliance with *Halal, Kosher standards* and *ethanol* content

The product does not contain *ethanol* or products from *porcine* origin. Furthermore, neither the production nor the packaging process is contaminated by any of the above. Product is not certified HALAL or KOSHER.

*Vegan* statement

This product does not contain ingredients of animal origin, in addition in the preparation and packaging process, ingredients do not come in contact with animal origin raw materials.

## STORAGE AND SHELF LIFE

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Preserve in hermetically closed containers; protect from light and heat sources.

Shelf life: 36 months.

In time the product can take a color change or a slight sediment may occur on the bottom of the container.

This is a natural product and this will not affect the quality of the product.

## COSMETIC USE

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Creams and lotions for dry skins; product anti free radicals. Nourishing and moisturising masks that prevent ageing of skin; toothpaste.

Dosage: from 1 % to al 5%, it depends on the end formulation.