



Vitis vinifera



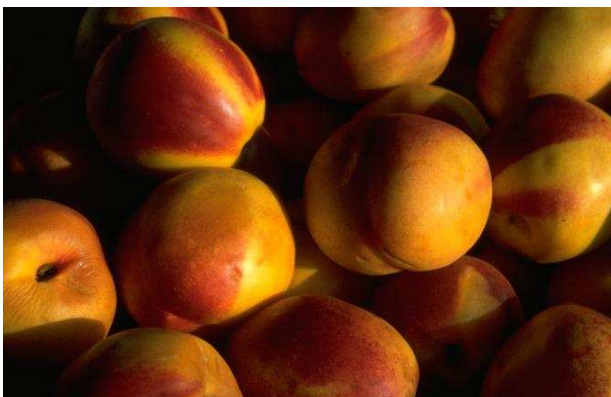
Fragaria vesca

A.H.A. EXTRACT

fruits formula



Vaccinium myrtillus



Prunus persica

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A.H.A. EXTRACT *fruits formula*

A.H.A Extract *fruits formula* is a compound of α -Hydroxy Acids (AHA's) obtained from vegetal hydro-glycolic Extracts.

This complex of hydro-glycolic extracts is vegetal blend resulting from a specific manufacturing process, allowing to extract water-soluble and aromatic parts of each fruit.

COMBINED PLANTS :

CTFA name	INCI name		
APRICOT	Prunus armeniaca		
GUAVA	Psidium guajava		
GRAPEFRUIT	Citrus grandis		
GRAPE	Vitis vinifera		
MANGO	Mangifera indica		
PEACH	Prunus persica		
STRAWBERRY	Fragaria vesca		
RASPBERRY	Rubus idaeus		
	CAS n°	EINECS n°	
APRICOT	68650-44-2	272-046-1	
GUAVA	90045-46-8	289-907-2	
GRAPEFRUIT	90045-43-5	289-904-6	
GRAPE	84929-27-1	284-511-6	
MANGO	90063-86-8	290-045-4	
PEACH	84012-34-0	281-678-7	
STRAWBERRY	84929-78-2	284-556-1	
RASPBERRY	84929-76-0	284-554-0	

Trading name : **AHA EXTRACT *fruits formula***

DERMO-COSMETIC ACTIVITY

Many researches led by Doctors Van Scott and Yu have shown that Alpha-Hydroxy Acids (AHA) act by decreasing the cells cohesion in the cornea stratum so they are better eliminated, while the cells renewal is accelerated. AHA thus furthers the cutaneous hydration process.

AHA contained in the **AHA EXTRACT *fruits formula***, with their low concentration (5 %), allows maintaining or restoring the skin's acid surface and so to strengthen the natural defence process. They also have a real moisturising action as well as a surface-cleaning action.

Are added the complementary properties of the utilised fruits : astringent, tonic, purifying.

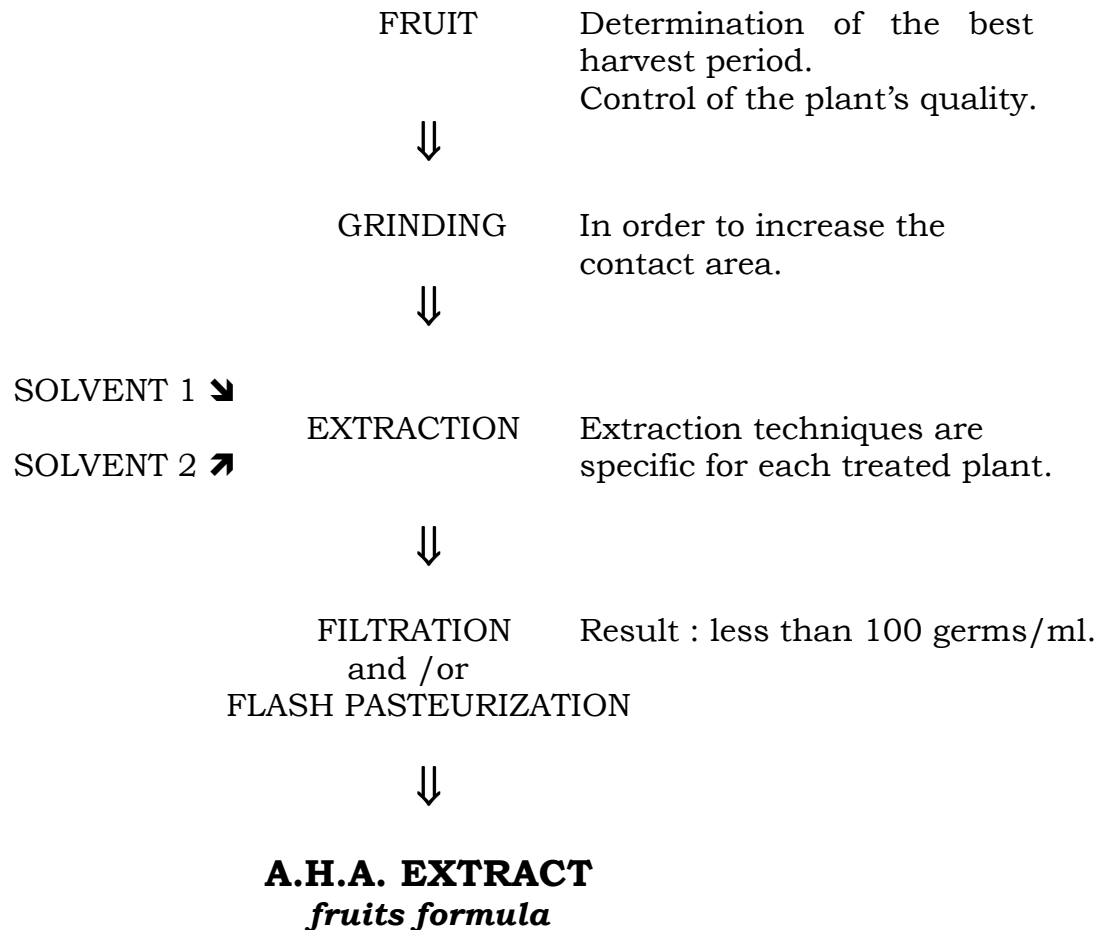
CHARACTERISTIC ACIDS

CITRIC ACID	GLYCOLIC ACID	LACTIC ACID	MALIC ACID
0.90 - 1.20 %	2.25 - 2.75 %	0.90 - 1.10 %	0.40 - 0.60 %

ACIDS	FORMULAS
Citric C₆ H₈ O₇	$\begin{array}{c} \text{COOH} \\ \\ \text{COOH} - \text{CH}_2 - \text{C} - \text{CH}_2 - \text{COOH} \\ \\ \text{OH} \end{array}$
Glycolic C₂ H₄ O₃	$\text{HO} - \text{CH}_2 - \text{COOH}$
Lactic C₃ H₆ O₃	$\begin{array}{c} \text{CH}_3 - \text{CH} - \text{COOH} \\ \\ \text{OH} \end{array}$
Malic C₄ H₆ O₅	$\begin{array}{c} \text{COOH} - \text{CH}_2 - \text{CH} - \text{COOH} \\ \\ \text{OH} \end{array}$

MANUFACTURING PROCESS

The different extracts are products issued from a special and specific manufacturing process applied on herbs, and treated in order to mix aromatic and water-soluble parts.



QUALITY CONTROL

A quality control policy is operated at all stages of the manufacturing process.

1) SELECTION OF RAW MATERIALS

Each batch of plants is identified and a sample is sent to the Control Laboratory to be compared to our minimum quality standards, with special attention to organoleptic and microscopic characteristics.

2) CONFORMITY CONTROLS

All the characteristics of our products are controlled and compared to conformity standard. These controls are made on :

- organoleptic characteristics (aspect, colour, odour)
- physico-chemical characteristics (solubility, density, pH, refraction index, presence of active ingredients...)
- microbiological characteristics (yeast, mould, aerobe germs...).

Each batch is individualised with a control number and a detailed control certificate.

COSMETIC APPLICATIONS

The use of the **AHA EXTRACT *fruits formula*** is ideal to optimise moisturising care products (for dry as for oily skins) or cleaning lines (milks, tonic lotions, scrubs) targeted on the cleanness and the purification of all types of skins.

The **AHA EXTRACT *fruits formula*** can be also used in all astringent, tonic or purifying skin and hair care products.

AHA EXTRACT *fruits formula* is recommended for creams, lotion and gels formulations with moisturizing and peeling action. It helps cell renewal.

Concentration for use :

- ▶ in shower gel and hydrating bubble bath products 2 - 5 %
- ▶ in cream, lotion and peelings gel 4 - 8 %

This product could also be used in concentrations higher than 8 % but in these cases it should be considered for professional use, under medical suggestions

EXCLUSIVELY FOR EXTERNAL USE

WAREHOUSING

Temperature below or equal to 25°C.
Protection against freezing is necessary
Containers should always keep closed
Product should be used shortly after opening.

A.H.A. EXTRACT *fruits formula*

TECHNICAL DATA

❶ BOTANICAL COMPONENTS

Apricot	fruit
Guava	fruit
Grapefruit	fruit
Mango	fruit
Strawberry	fruit
Raspberry	fruit
Peach	fruit
Grape	fruit

❷ ORGANOLEPTIC CHARACTERISTICS

Appearance	limpid liquid
Colour	clear orange
Odour	slight

❸ PHYSICO-CHEMICAL CHARACTERISTICS

Solvent	Propylene glycol/Water (47/53)
pH	5 ± 0.5
Refraction index	1.400 ± 0.010
Density	1.075 ± 0.010
Dry residue	10 ± 1
Preservative	0.25 % Phenonip

❹ ACTIVE INGREDIENT

Citric acid	0.90 - 1.20 %
Glycolic acid	2.25 - 2.75 %
Lactic acid	0.90 - 1.10
Malic acid	0.40 - 0.60 %

❺ MICROBIOLOGICAL CHARACTERISTICS

Total germs	< 100 /ml
Yeast and mould	absence
Total bacterial charge	absence

❻ SAFETY DATA

Transport by air / by sea way	not ruled
Regulations	not classified according EEC rules
Storage	in a cool airy room

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