

# A H A EXTRACT

## FRUITS FORMULA



### DEFINITION

Natural AHA EXTRACT is obtained by the selective extraction, with appropriate solvents, of a mix of fresh unsprayed fruits, selected for their abundance in alpha hydroxy acids.

### COMPOSITION

The initial mixing is constituted of :

<b>Apricot</b>	<b>Mango</b>
<b>Strawberry</b>	<b>Grapefruit</b>
<b>Raspberry</b>	<b>Peach</b>
<b>Guava</b>	<b>Grape</b>

And leads, after extraction, to a fluid extract particularly rich in :

<b>Glycolic acid</b>	<b>2,5 %</b>
<b>Lactic acid</b>	<b>1,0 %</b>
<b>Citric acid</b>	<b>1,0 %</b>
<b>Mandelic acid</b>	<b>0,5 %</b>

### SPECIFICATIONS

<b>Appearance :</b>	<b>Limpid liquid</b>
<b>Colour</b>	<b>Pink to orange</b>
<b>Plant/Extract ratio</b>	<b>5/1</b>
<b>Density at 20°C</b>	<b>1.075 ± 0.005</b>
<b>Refractive index (20°)</b>	<b>1.400 ± 0.005</b>
<b>pH</b>	<b>4.7 to 4.3</b>
<b>Dry residue</b>	<b>9 to 11 %</b>

## DERMO-COSMETIC ACTIVITY AND PROPERTIES

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 Natural AHA EXTRACT, 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.

## FORMULATION

The use of the Natural AHA EXTRACT 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 Natural AHA EXTRACT can be also used in all astringent, tonic or purifying skin and hair care products.

## CONCENTRATION

**2 to 5 % (never exceed 15 %)**

**A.H.A. Extract is also available on a standardised quality**

<b>A.H.A. EXTRACT 20 %</b>			<b>A.H.A. EXTRACT 40 %</b>		
<u>ORGANOLEPTIC CHARACTERISTICS</u>			<u>ORGANOLEPTIC CHARACTERISTICS</u>		
* Appearance	Limpid liquid		* Appearance	Limpid liquid	
* Colour	Clear lightly brown		* Colour	Clear lightly brown	
<u>CHEMICAL-PHYSICAL ANALYSES</u>			<u>CHEMICAL-PHYSICAL ANALYSES</u>		
* pH (10 % sol in water)	2.0 to 3.0		* pH (10 % sol in water)	1.5 to 2.5	
* Density at 20°C	1.185 ± 0.020		* Density at 20°C	1.185 ± 0.020	
* Dry residue	> 10 %		* Dry residue	> 20 %	
* Heavy metals	Max. 10 ppm		* Heavy metals	Max. 10 ppm	
<u>ACTIVES INGREDIENTS</u>			<u>ACTIVES INGREDIENTS</u>		
* Solvent	water / glycol		* Solvents	water / glycol	
* Citric acid	> 7 %		* Citric acid	> 13 %	
* Glycolic acid	> 7 %		* Glycolic acid	> 10 %	
* Lactic acid	> 4 %		* Lactic acid	> 13 %	
* Malic acid	> 1 %		* Malic acid	> 4 %	
* Tartaric acid	> 1 %		* Tartaric acid	> 4 %	
<u>INCI name</u>	<u>CAS n°</u>	<u>EINECS n°</u>	<u>INCI name</u>	<u>CAS n°</u>	<u>EINECS n°</u>
Citrus limonum	84929-31-7	284-515-8	Citrus limonum	84929-31-7	284-515-8
Pyrus malus	89957-48-2	289-567-5	Pyrus malus	89957-48-2	289-567-5
Vaccinium myrtillus	84082-34-8	281-935-5	Vaccinium myrtillus	84082-34-8	281-935-5
Vitis vinifera	84929-27-1	284-511-6	Vitis vinifera	84929-27-1	284-511-6