

VITISIN[®]

Skin Lightening Ingredient Grapevine Root Vitisins



**Tyrosinase
Inhibition**

**Skin Lightening
Hyper-Pigmented
Spot Reduction**

IN USE CONCENTRATION: 1 to 3 %

VITISIN[®] is a Grapevine Root Extract from the wine region of Bordeaux.

Manufactured in France

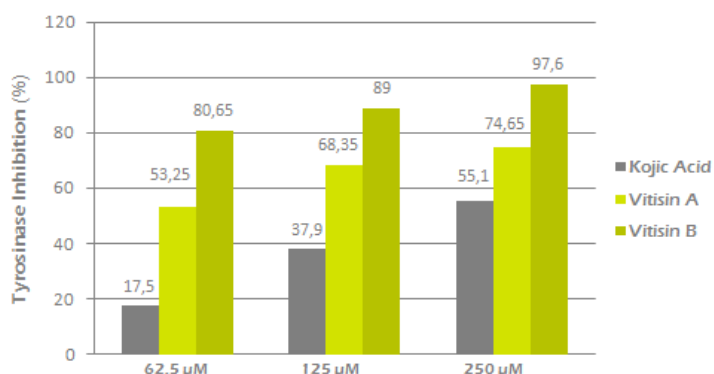


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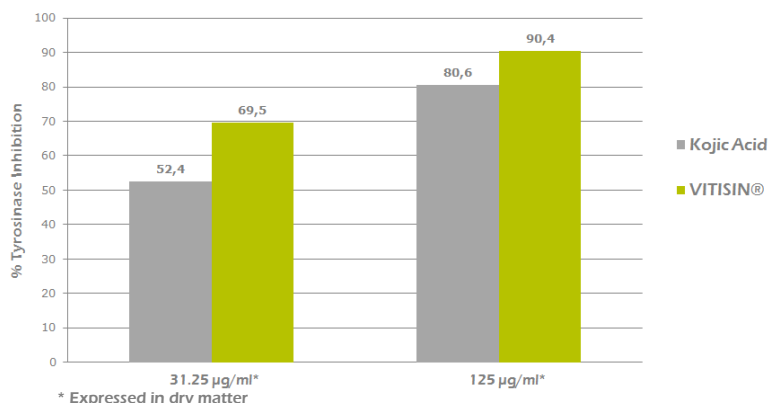
Skin Lightening Effect of VITISIN[®]

Effect of Vitisin A and Vitisin B on Tyrosinase Activity



Vitisin A and Vitisin B, the active ingredients in VITISIN[®] are potent Tyrosinase Inhibitors

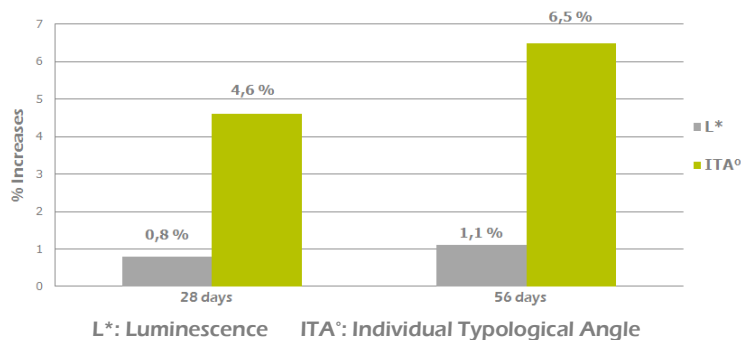
Effect of VITISIN[®] on Tyrosinase Activity



VITISIN[®] is a more potent Tyrosinase Inhibitor than Kojic Acid

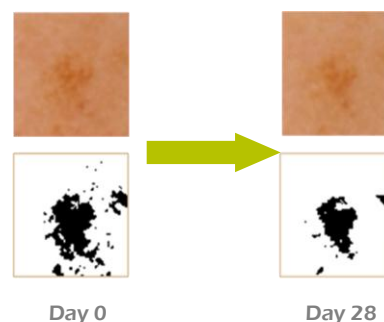
CLINICAL STUDIES

Effect of "Crème à la VITISIN[®]" on Skin color parameters using Chromametry



76% of the panelists noticed a lightening of their skin

Effect of "Crème à la VITISIN[®]" on Hyper-Pigmented Spots using Cross-Polarized Digital Photography



"Crème à la VITISIN[®]" induced a significant reduction in the color and size of Hyper-Pigmented Spots

Crème à la VITISIN[®]

Phase	Raw Material	INCI Name	% weight
A1	CETYL ALCOHOL C16	Cetyl Alcohol	2,50
	STEARYL ALCOHOL	Stearyl Alcohol	1,50
	CETYL PALMITATE	Cetyl Palmitate	2,00
	DUB VCI 10	Isodecyl Neopentanoate	2,00
	JOJOBA OIL	Jojoba Oil	6,00
	DUB VCI 10	Isodecyl Neopentanoate	2,00
A2	TOCOPHERYL CETATE	Tocopheryl cetate	0,40
B1	WATER	Aqua (Water)	65,70
	TRILON B	Tetrasodium EDTA	0,05
	PEMULEN TR 1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,30
	CARBOPOL ULTREZ 10	Carbomer	0,20
B2	DUB DIOL	Methylpropanediol	3,00
	ZEMEA	1,3-Propanediol	3,00
	ECA	PCA Ethyl Cocoyl Arginate	0,05
	GLUCONOLACTONE	Gluconolactone	1,00
B3	NORGEL	Glycerin & Glyceryl Acrylate/Acrylic Acid Copolymer	8,00
C	SODIUM HYDROXIDE	Aqua (Water) & Sodium Hydroxide	1,00
D	VITISIN [®]	Butylene Glycol & Water & Vitis Vinifera (Grape) Root Extract	3,00
			100,00

Manufacturing Process

1. Prepare B1: Dissolve Trilon B in water. Disperse Pemulen TR1 and Carbopol Ultrez 10 while mixing vigorously and heat up to 70°C.
2. Prepare B2: Mix DUN DIOL with ZEMEA and then dissolve while mixing in DUB MUG, then CAE and Glucunolactone.
3. Add B2 to B1. When the phase is clear, add B3 while stirring and heat up to 70°C.
4. Prepare A1 by heating up to 80°C. When A1 is ready add A2.
5. Gradually add (A1+A2) to (B1+B2+B3) while stirring vigorously. Continue mixing for 10 minutes to make the emulsion. Neutralize with liquid Sodium Hydroxide and mix for 10 minutes.
6. Cool down to 40°C while stirring gently.
7. Add slowly VITISIN[®] while stirring. Mix until the emulsion is well homogenized. Check the ph (5 to 6).