

The complexion enhancer and detoxifier BioDTox™



Mechanism

Stimulates the skin cell detoxification process by activating the Nrf2 pathway which in turn breaks down toxins, protecting against oxidative stress damage and repairing or limiting skin disorders. Immediately, sebum is controlled and pores are cleaned. After only one application, the complexion is more radiant, and volunteers confirmed the results.

INCI Name

Propanediol, Aloe Barbadensis Leaf Extract, Bioflavonoids, Brassica Oleracea Italica (Broccoli) Extract

Origin

Mix of three components: polyphenols from Aloe vera, bioflavonoids from Citrus species, sulforaphane from Broccoli (all from Korea)

Use level

1-3% (clinical tests: 1-2%)

Specifications

Appearance: yellow liquid
Odor: characteristic
Shelf life: 3 years

Compliance



Key properties

- Detoxifies skin
- Cleanses skin's surface and pores
- Protects against environmental stresses as pollutants
- Brightens skin tone and reduces sebum

Key results

In-vitro	Cell death prevention (induced by 4-HNE stressor):	-46%] at 2%
	Nrf2-dependent enzymes stimulation		
	Heme oxygenase 1:	8082	
	Quinone reductase 1:	321	
	Thioredoxin reductase 1:	4826	
Sebum content in sebocytes			
	Oily-skin condition:	-60%] at 2%
	Acne-prone skin + cadmium:	-70%	
	Acne-prone skin + diesel:	-52%	
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Clinical	Sebum spots area:	-15%] at 2%
	Skin scales:	-36%	
	Anti-pollution (pollutant particles):	-47%	
	Skin radiance:	+18%	
at 1% after a single application			

Tests

- In-vitro
- Ex-vivo
- Clinical
- Self-assessment

Distinctive signs

- > Based on potent molecules (polyphenols, bioflavonoids and sulforaphane)
- > Food-origin ingredients answering detox demand
- > Detoxification enzymes of phase II
- > Tested on sebocytes models mimicking oily skin and stressed acne-prone skin
- > Pollutant particles aggregation ability confirmed
- > Suitable for leave-on and cleansing products

Applications

- > Detoxification serums
- > Sebum control products
- > Cleansing products
- > Anti-pollution shampoo

Contact

Clariant Production France | ICS
195 Route d'Espagne
31036 Toulouse Cedex 1 | France
Email: marketing-ai@clariant.com

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