

NeoPlanta[®] Withania

THE FUSION OF ANCIENT WISDOM WITH ADVANCED TECHNOLOGY

FROM THE ROOTS OF NATURAL BEAUTY TO HIGH-TECH BIO-TECH INNOVATION

Today we meet a widely-spread trust in traditional cosmetics but also the desire to use modern technology for a better, heathier lifestyle.

That's why we use latest technology to transform the origin of mystical recovery into maximum efficacy.

ADORNED BY MANY NAMES

Withania Somnifera, the queen of herbs, has as many names as facettes. It is also known as Ashwagandha, Indian Ginseng or Indian Winter Cherry.

TRADITIONAL AYURVEDIC MEDICINE

In the traditional Ayurverdic knowledge, the plant is used to strengthen the immune system, calm mental processes, support vitality and reduce stress by adapting to the needs of the body.

A POWERFUL, **MYSTICAL HÉRB**

Growing in harsh conditions, in hot, dry climates as well as high up in the Himalayas, Withania Somnifera proves strength. It concentrates its healing properties in the roots.

Over 35

constituents are found in the roots of the plants

Since more than

3000

years Withania Somnifera is used extensively in Ayurvedic treatments





Growing



feet high in the Himalayas, Withania Somnifera proves a lot of strength



GET INSPIRED

. • • • The future of renewed beauty lies in ancient secrets from times long past. Withania Somnifera unfolds its effects for thousands of years.

Looking for sustainability, we came across traditional knowledge. With our optimized in vitro cultivation of NeoPlanta® Withania, we add even more benefits to the gift of nature. For our product and our environment.

- No pesticides
- Season and weather-independent harvesting
- Enormous savings in water consumption compared to cultivation on the fields
- No social exploitation and depletion of the local environment





Adaptogenic herb Sense the magic of energizing and calming just when you need it

NEOPLANTA® WITHANIA

THE PRODUCT

A biotechnologically optimized extract of traditional Ayurvedic herb Withania Somnifera

INCI: Withania Somnifera Root Extract, Glycerin

PRODUCT FORM Brownish viscous liquid, preservative-free

URBAN SKIN REBALANCING SERUM MM 374/18

PHASE	INGREDIENTS	w/w %
A	TEGO[®] CARE LTP (Sorbitan laurate; Polyglyceryl-4 Laurate; Dilauryl Citrate)	2.00
	TEGOSOFT [®] G20 (Octyldodecanol)	4.00
	TEGOSOFT® OS (Ethylhexyl Stearate)	4.00
	TEGOSOFT® CT (Caprylic/Capric Triglyceride)	2.00
	TEGO [®] CARBOMER 140 (Carbomer)	0.15
	Keltrol CG-SFT (Xanthan Gum)	0.10
B	Glycerin	3.00
	Water	78.90
	dermosoft* OMP (Methylpropanediol; Caprylyl Glycol, Phenylpropanol)	3.50
	Perfume	0.10
С	Sodium Hydroxide (10%)	0.70
D	TEGO° TURMERONE (Curcuma longa (Turmeric) root extract)	0.50
	NeoPlanta[®] Withania (Withania somnifera root extract, Glycerin)	1.00



Ancient soothing Get soothed by natural relaxing properties



Protective effect Let anti-oxidant bioactives enfold its defense power

RECOMMENDED USE LEVEL 1-2.5%

COMPLIANCE CFDA

CERTIFICATION

Cosmos-conform, vegan, gluten-free

PROCESSING

- 1. Mix ingredients of phase A
- 2. Combine phases A and B without stirring, i.e. mix phase A with phase B and heat up to 70°C
- 3. Homogenize, add phases C and D stir well

THE PRECIOUS DIFFERENCE

For NeoPlanta[®] Withania, the extract is obtained exclusively from the roots of the plant. Combined with our special biotech process, it conjurs a unique molecular composition.





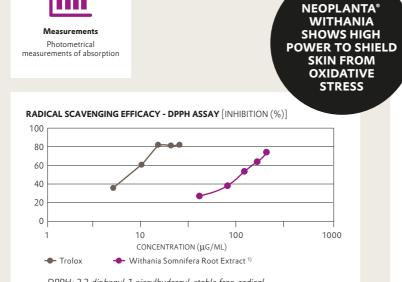
POWER TO FIGHT OXIDATIVE STRESS

DPPH radical solution is deeply violet colored.

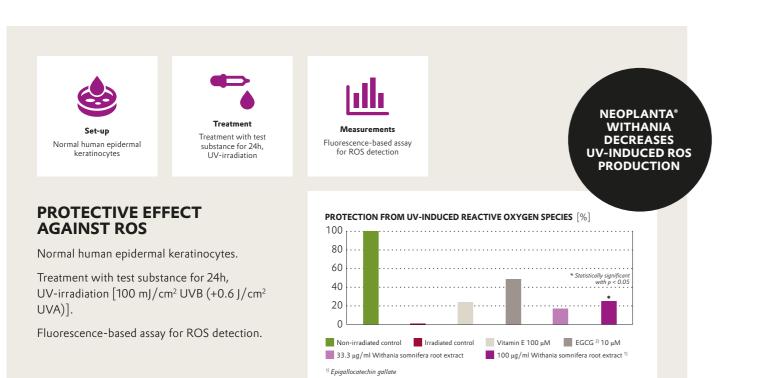
Neutralization of the radical causes color shift to yellow (reaction can be followed photometrically).

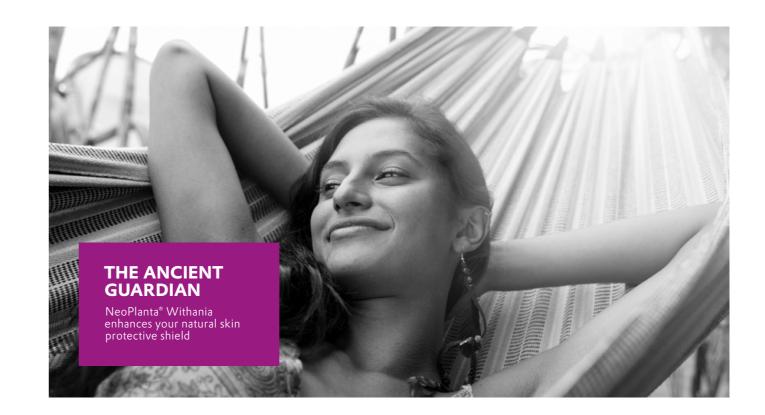
Optical absorption at 520 nm measured for different test concentrations, calculation of inhibition.

EC50 Trolox: 10 µg/ml EC50 Withania: 115 µg/ml



DPPH: 2,2-diphenyl-1-picrylhydrazyl, stable free-radical Trolox: positive control, water-soluble analog of vitamin E





Set-up Normal human epidermal keratinocytes



Treatment

UV-irradiation

PROTECTIVE EFFECT AGAINST DNA-DAMAGE

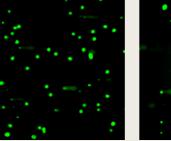
Normal human epidermal keratinocytes.

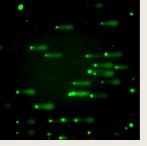
Treatment with test substance for 24h, UV-irradiation [250 mJ/cm² UVB (+1.7 J/cm² UVA)].

Alkaline comet assay and microscopic observation.

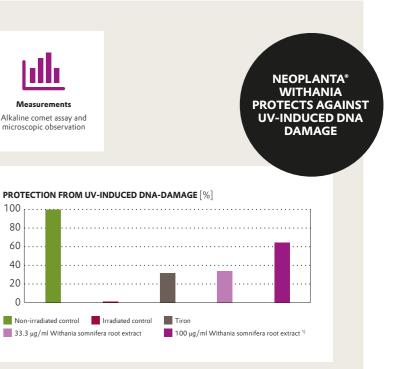
NON IRRADIATED CONTROL

IRRADIATED CONTROL

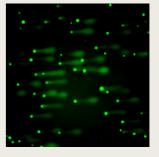




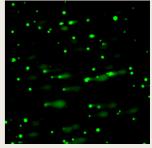
2) 100 µg/ml of pure extract equals a usage concentration of 1% of the final product form (1% extract in glycerin).



33,3 µg/ml PURE EXCTRACT



100 µg/ml PURE EXCTRACT



NEOPLANTA® WITHANIA SUPPORTS THE INNER POWER OF YOUR SKIN

PROTECTIVE EFFECT

Against modern lifestyle influenced stressfactors

SECURED PRODUCTION

Controlled growth conditions

A NATURAL BEAUTY BOOSTER FOR YOUR SKIN'S VITALITY

HIGHEST PURITY

Free of pesticides, herbicides, heavy metals

GLOBALLY COMPLIANT

COSMOS ORGANIC CERTIFIED

NATURALLY GOOD

Vegan, gluten free, preservative free

NATURAL SKIN BEAUTY



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