

[METALLOTHIONEINE INDUCER]

▶ ANTI-AGEING LIGHTENING

The mineral and synthetic Zinc-Glycine Complex uses the Metallothioneine inductive ability of Zinc and the ligand properties of Glycine for skin penetration.

This complex reduces the intracellular oxidative stress and synergistically potentiates a lightening effect through two metabolic pathways.

- ▶ Reduces Intracellular Oxidative stress
- ▶ Suppresses Melanocyte Stimulating Factors
- ▶ Inhibits Tyrosinase activity

INCI: ZINC GLYCINATE

CAS number : 14281-83-5 / EINECS : 238-173-1

IN USE CONCENTRATION: **0,5 to 1%**



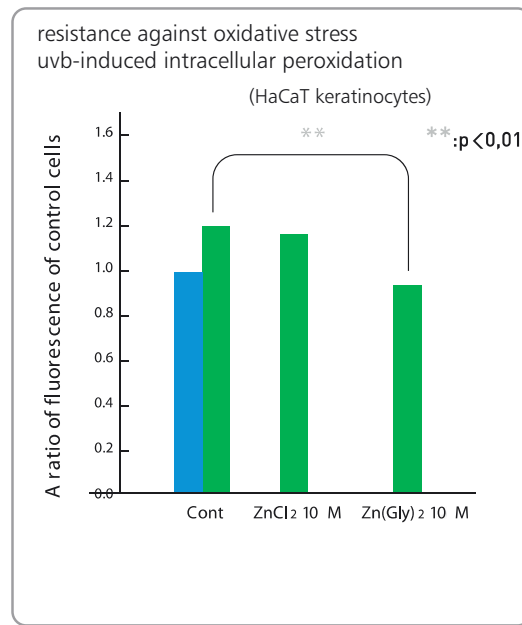
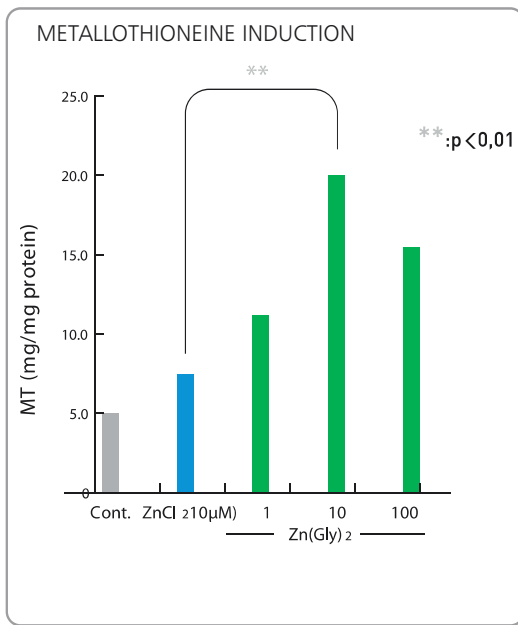
(SKINCARE)



(FACE)

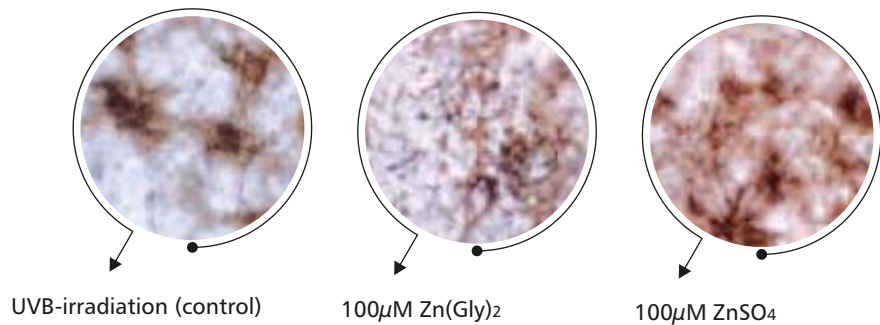


(NO ANIMAL TESTING)



MELANOCYTE GROWTH: -10% with 20 ppm Zn(Gly)₂
 TYROSINASE ACTIVITY: -40% with 0,02 ppm Zn(Gly)₂

**EVALUATION ON 3D
SKIN MODEL**



SKIN LIGHTENING CREAM

	INGREDIENTS	INCI	%
	NIKKOMULESE WO	Cyclopentasiloxane ; PEG-10 Dimethicone ; Distearidimonium Hectorite	2,70
	DC 345	Cyclomethicone	6,00
	DM 350	Dimethicone	2,00
A	TRIFAT S -308	Triethylhexanoïn	3,00
	CIO	Cetyl Ethylhexanoate	4,00
	MACADAMIA NUT OIL	Macadamia Ternifolia Seed Oil	2,00
	DECABEN C	Phenoxyethanol ; Methylparaben ; Ethylparaben ; Butylparaben ; Isobutylparaben	0,60
B	PLASTIC POWDER CS 400	HDI / PPG / Polycaprolactone Crosspolymer ; Silica	2,00
	BUTYLENE GLYCOL	Butylene Glycol	7,00
	GLYCERIN	Glycerin	7,00
C	TRISODIUM CITRATE	Trisodium Citrate	1,50
	CITRIC ACID	Citric Acid	0,70
	ZINC - GLYCINE COMPLEX	Zinc Glycinate	1,00
	WATER	Water	60,50

MANUFACTURE PROCESS :

1. Disperse A (check no blocks of Nikkomulse WO).
2. While dispersing, add B.
3. Mix all ingredients of C and add it gradually