

# Di Li Po Peptyd Complex

youth in two dimensions - reduction of wrinkles and dark circles under the eyes

Di Li Po Peptide Complex is an innovative cosmetic raw material that restores skin firmness and elasticity and improves the appearance of the eye contour. The complex was created by combining two peptides: Acetyl Tetrapeptide-5 with Acetyl Dipeptide-1 Cetyl Ester. Acetyl Tetrapeptide-5 inhibits glycation, which damages collagen and elastin fibres. Moreover, it initiates the degradation of bilirubin, reducing dark circles under the eyes. Acetyl Dipeptide-1 Cetyl Ester is a lipopeptide consisting of two amino acids: arginine and tyrosine. This compound relaxes the muscles and relieves their tension, preventing the formation of wrinkles and facial lines. It stimulates the synthesis of extracellular matrix components and stimulates the production of support fibres increasing skin firmness and elasticity.

## INCI

Aqua, Glycerine, Acetyl Tetrapeptide-5, Acetyl Dipeptide-1 Cetyl Ester, Polysorbate 20

## properties

- reduces dark circles under the eyes
- prevents the formation of wrinkles and facial lines
- strengthens and improves the structure and elasticity of the delicate skin around the eyes
- increases hydration
- improves facial contours
- improves the condition, firmness and smoothness of the skin
- stimulates fibroblasts to synthesize elastin
- prevents the breakdown of collagen by inhibiting the glycation process

## technical data

- clear, transparent liquid with a characteristic smell
- water-soluble
- stable at temperatures up to 40°C
- pH 5.5-8.0

## use

- recommended use: 1-3%
- raw material added cold at the end of the process at a temperature below 40°C

## advantages

- MOQ 1 kg
- Suitable for vegans and vegetarians
- ISO 16128 Natural Index close to 1
- No PEGs
- Paraben-free
- No GMO
- Stable at temperatures from -14 to +40°C

## application

- facial care formulations: emulsions, lotions, serums

## FACE CREAM

PHASE	TRADE NAME	%
A	Water	75,50
	Pharmaceutical Glycerine	2,00
	Tego Carbomer 341_Acrylates/C10-30 alkyl acrylate crosspolymer	0,20
	Dermofeel PA-3	0,2
	Covacryl MV60	0,30
B	SP Arlacial 2121 MBAL-PW-(MV)	0,20
	Arlacial 2121	3,0
C	Verstail PC	1,0
D	Waglinol 1449NG	4,0
	Crodacol CS90	3,0
	Cetiol C5	2,0
	Shea Butter	1,0
	SP Crodafos CES-MBAL- PA-(RB)	0,10
	Neossance™ Squalane	2,0
E	Fitoderm	2,0
	Di Li Po peptyd complex*	1,0
	QuercusLift*	0,50
	Baicalin Extract*	1,0
F	Fragrance composition	0,70
	Sodium hydroxide	0,30

\*Popławska Group

## technology

1. Add the ingredients of phase A to the main container and mix until a mass without clusters of solid substances is obtained
2. Heat to 75°C and add the ingredient of phase B, mix until the solids dissolve, then introduce the ingredient of phase C and mix, maintain the temperature in the containers at 75°C
3. Dissolve the ingredients of phase D in a auxiliary container at 80°C
4. Add the ingredients prepared in in the second point to the main container and start homogenization
5. Cool the system below 40°C and introduce the ingredients of phase E and start homogenization
6. Use the ingredient of phase F to adjust the pH