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TECHNICAL DATA SHEET

PRECIOUS METALS + **CAVIAR PROTEIN COMPLEX** **(STURGEON ROE)** **/ A / O G / E /**

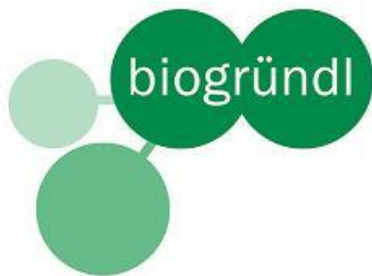
OVERVIEW

Known under the name of trace elements, those elements that exist in tiny quantities in living organisms (oligos = little). Despite being in very small quantities, they enjoy an extraordinary importance as activators or catalysts in most biochemical reactions that take place in living organisms.

Trace elements form an essential part of the enzyme, as a cofactor and whose mere presence, without moving the point of equilibrium and without modify the final result of a biochemical reaction, extremely increase his speed, decreasing, at the same time, and in a great manner, the energy cost.

Until very recently, the cosmetic science has not used gold and precious metals as trace elements, while there were precedents in various primitive cultures who saw in these precious metals the panacea to many skin disturbances. Thus, Chinese doctors of the Imperial Court, used finely divided gold to sprinkle on the skin in order to neutralize the aggressions of the environment, as well as nurture and revitalize it. Currently, it is proven that gold encourages cellular activity and helps the healing of wounds. On the other hand, by its metallic nature presents electromagnetic properties, isolating the skin from waves that could reach it. Presents, also, ability to neutralize oxidizing free radicals, so it acts as an anti-aging. It is also anti-irritating, stimulating and protective because of its homeopathic effect.

PRECIOUS METALS + CAVIAR PROTEIN COMPLEX (STURGEON ROE) by BIOGRÜNDL, S.L. in addition to gold, contains silver, platinum and palladium. Because of they are combined with caviar extract, can penetrate better through the skin, resulting a more intense and deep action.



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COMPOSITION OF PRECIOUS METALS + CAVIAR PROTEIN COMPLEX (STURGEON ROE) BY BIOGRÜNDL, S.L.:

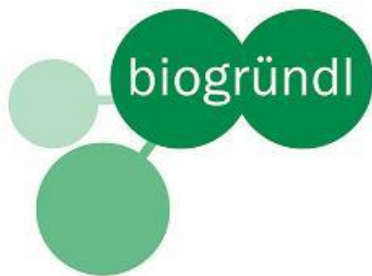
ACTIVE MATTER	AMOUNT 100 Kg PRECIOUS METALS + CAVIAR PROTEIN COMPLEX (STURGEON ROE)
Caviar extract	20 Kg
Gold (Au)	10 mg
Silver (Ag)	20 mg
Platinum (Pt)	10 mg
Palladium (Pd)	10 mg

USE AND DOSAGE

The PRECIOUS METALS + CAVIAR PROTEIN COMPLEX (STURGEON ROE) by BIOGRÜNDL, S.L. offers the following actions on the skin:

- Anti-allergic
- Anti-sensibilizing
- Balances the sebaceous glands function
- Dermal purifying
- Anti-aging
- Strength of hair and nails
- Protector against UV radiation

The recommended concentrations of use are between 2% and 10%. For very special effects the dosage can raise up to 15%.



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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or slightly opalescent liquid.

Colour: Characteristic (yellowish to deep brown).

Odour: Characteristic.

Specific gravity: 0,900 - 0,940 (20°C approx.).

Solubility in water: Fully insoluble.

Solubility in other solvents: Soluble in organic solvents and lipids. Insoluble in surfactants and in hydroalcoholic, hydroglyceric and hydroglycollic mixtures.

Acid value: Less than 5,0 mg.KOH/g.

Saponification value: 180 to 200 mg.KOH/g.

Iodine value: 125 to 140 g.I₂/100g.

Heavy metals: No more than 5 mg/Kg.

Sulfated ash: No more than 0,01%.

Chlorides: No more than 0,007%.

Sulfates: No more than 0,002%.

Other information: None.

Total aerobics: Max. 300 microorganisms / gram.

Fungi and yeasts: Max. 200 microorganisms / gram.

Pathogens: Total absence in 1g.

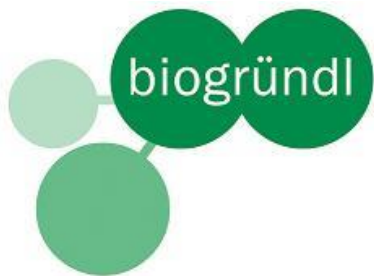
DERMATOLOGY INNOCUOUSNESS

It was performed by the patch test (Patch test) on 10 volunteers. To this purpose, 15% PRECIOUS METALS + CAVIAR PROTEIN COMPLEX (STURGEON ROE) by BIOGRÜNDL, S.L., was added to an O/W emulsion; 0,5g. of this emulsion was poured over the patch and attached on the forearm. It is thus maintained for 24, 48 and 72 hours, after which, the given reaction was evaluated, according to the following table of values:

1. No erythema
2. Slight erythema
3. Well defined erythema
4. Severe erythema

The result was absence of erythema on the 10 volunteers.

On the recommended concentrations, the product is skin innocuous.



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STORAGE CONDITIONS

It is very important to keep the product in well closed containers, away from direct sunlight and at temperatures not over 25°C. In case of not having refrigerators, store the product in the coolest and free from artificial light area.

INCI DENOMINATION

HELIANTHUS ANNUUS SEED OIL, CAVIAR EXTRACT, TOCOPHERYL ACETATE,
TRACE ELEMENTS: GOLD (Au), SILVER (Ag), PLATINUM (Pt), PALLADIUM (Pd).