

iWhite Glutathione

INCI Name (US): Glutathione

INCI Name (EU): Glutathione

CAS #: 70-18-8

**General Information/
Characteristics:**

Glutathione is a skin whitener booster that is produced naturally by the liver but it's also found in fruits, vegetables and meats. Glutathione is an antioxidant made from glycine, glutamic acid and cysteine. This compound is involved in tissue building and repairs processes, the production of proteins and chemicals needed in the body for the immune system. This antioxidant clears the body of free radicals and toxins that can lead to serious skin problems such as hyperpigmentation and melasma. Glutathione may also be beneficial for women that have cystic acne, acne-prone skin or even the occasional breakout.

Benefits / Application:

Skin care benefits:

- Functions in dermis by blocking production of melanin.
- Provides skin with more natural amino acids and brightens complexion.

Applications:

- Rejuvenating and whitening/ lightener skin care products.

Formulation Advice:

Recommended usage: 0.3 – 0.5 %. Soluble in water. pH recommended 3.0 – 5.5.

Regulations:

No specific regulations.

**Physical-Chemical
Properties:**

Appearance	Crystalline powder.
Color:	White or almost white.
Melting point:	192-195 °C.
Heavy metals (ppm):	≤10

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Loss on drying (%):	≤0.5
Assay (dry basis):	98.0% - 101.0%

**These values indicate typical specification; they are not intended to be used as product specifications*

Additives:

None.

Shelf Life / Storage Conditions:

24 months. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 8°C (46.4°F). Refrigerate.

Packaging:

0.5, 1, 10 and 70 kg/bag.

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