

$PUREBKALE^{TM}$

STANDARDIZED BLACK KALE SEED EXTRACT



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WHAT IS PUREBKALE™?

PUREBKALE™ is an aqueous dry extract from seeds of Brassica oleracea var. virids (L.) (syn. Brassica oleracea var. acephala DC.) - Brassicaceae family, standardized in glucoraphanin.

SPECIFICATIONS

PUREBKALE™ is standardized to provide ≥17% of glucoraphanin by HPLC.

RECOMMENDED USE AND DOSE

PUREBKALE™ is a dark brown powder for use in nutritional supplements.

Recommended dose: 150 mg/day (providing 25 mg/day of sulforaphane glucosinolate).

TRADEMARKS

PUREBKALE™ is a trademark of Indena S.p.A. and its logo and usage guidelines are available from Indena

References

WHAT MAKES PUREBKALE™ UNIQUE?

PUREBKALE™ is crafted with the hallmark quality that defines Indena's manufacturing processes.

From the very beginning, Indena selected the optimal source of Brassica oleracea through a meticulous screening of more than 20 seed samples from different varieties.

This effort resulted in an extract with a unique high concentration of glucoraphanin - at least 17% - using exclusively water as solvent, resulting in a food-grade product.

Glucoraphanin is a precursor to sulforaphane, a compound extensively studied for its health-promoting properties.

Scientific literature supports the **enzymatic conversion** of glucoraphanin into sulforaphane by the myrosinase activity of a specific bacteria of the human gut microbiota.² This transformation unlocks the bioactive potential of sulforaphane, which has been linked to a variety of benefits like detoxifying and antioxidant capabilities, as well as in the context of "beauty from within".

Specifically, sulforaphane has shown promise in preventing photoaging of the skin and reducing the risk of sunburns by modulating the effects of UV radiation. Additionally, sulforaphane promotes skin nourishment, making it a powerful ingredient for overall skin health.3,4

From a supply chain perspective, Indena takes pride in a fully controlled and entirely Italian supply chain. By working in harmony with local communities, Indena ensures that seed sourcing is sustainable, with no negative impact on the plant itself.

This commitment to quality, sustainability, and community respect is at the core of Indena's approach, further distinguishing **PUREBKALE™** as a premium ingredient.





