

# Cabbage Vegetable PG Extract - Brassica oleracea

Brassica oleracea · Brassicaceae

Propylene glycol extract    Water-soluble

## 1. Product identification

|                          |                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name             | Cabbage Vegetable PG Extract - Brassica oleracea                                                                                                                                             |
| Botanical name           | <i>Brassica oleracea</i> (syn. <i>Brassica acephala</i> , <i>Brassica alba</i> , <i>Brassica alboglabra</i> , <i>Brassica arborea</i> , <i>Brassica bullata</i> , <i>Brassica capitata</i> ) |
| Plant family             | Brassicaceae                                                                                                                                                                                 |
| Common names             | Broccoli, Cauliflower, Cabbage, Kale, Cabbage Vegetable, Patta Gobi                                                                                                                          |
| Indian / Ayurvedic names | காய்க்காய்                                                                                                                                                                                   |
| Plant part used          | Vegetable                                                                                                                                                                                    |
| Product form             | Propylene glycol extract                                                                                                                                                                     |
| Country of origin        | India                                                                                                                                                                                        |
| Product code (SKU base)  | 48589-PGE-BROLE                                                                                                                                                                              |

## 2. Composition and identifiers

INCI: Propylene Glycol, Aqua, Brassica Oleracea Vegetable Extract

| INCI / COMPONENT                    | FUNCTION          | CAS       | EC        | PROPORTION |
|-------------------------------------|-------------------|-----------|-----------|------------|
| Propylene Glycol                    | Solvent           | 57-55-6   | 200-338-0 | —          |
| Aqua                                | Solvent           | 7732-18-5 | 231-791-2 | —          |
| Brassica Oleracea Vegetable Extract | Botanical extract | —         | —         | —          |

Solvent system: Propylene glycol : water 70:30.

INCI status: INCI by naming convention (not in CosIng)

Where more than one CAS number is shown, the botanical substance is registered under several CAS numbers (e.g. EINECS and TSCA variants); all refer to the same INCI name.

## 3. Manufacturing

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Process   | Maceration in propylene glycol and water                                 |
| Additives | No added colours, fragrance or preservatives unless stated on the label. |

## 4. Typical properties

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| Physical state      | Liquid                                                                    |
| Appearance / colour | Characteristic of the plant material; may vary naturally between harvests |

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| <b>Odour</b>       | Characteristic                                                                                 |
| <b>Solubility</b>  | Water-soluble                                                                                  |
| <b>Flash point</b> | Not flammable as supplied (aqueous solution); pure propylene glycol approx. 99 °C (closed cup) |

Typical values describe the product type and are not a specification. Batch-specific results (assay, moisture, microbiology, heavy metals as applicable) are given on the Certificate of Analysis, available on request.

## 5. Applications and use

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Applications</b>        | Skincare                                             |
| <b>Markets</b>             | Cosmetics & personal care                            |
| <b>Suggested use level</b> | Typical use level in cosmetics 1–10 % (water phase). |

The formulator is responsible for confirming suitability, stability and regulatory compliance of the finished product in the intended market. Not intended for direct medicinal use.

## 6. Packaging, storage and shelf life

|                   |                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pack sizes</b> | 225 g, 1 Kg, 5 Kg, 25 Kg — bulk and custom quantities on request                                                                       |
| <b>Storage</b>    | Store in tightly closed containers in a cool (below 25 °C), dry place away from direct sunlight. Hygroscopic — keep containers closed. |
| <b>Shelf life</b> | 24 months from the date of manufacture in unopened original packaging stored as recommended.                                           |

## 7. Documentation and quality

|                                |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| <b>Safety Data Sheet</b>       | SDS-48589-PGE-BROLE — available for download on the product page                |
| <b>Certificate of Analysis</b> | Batch-specific COA available on request                                         |
| <b>Other documents</b>         | Allergen, IFRA, origin and other statements on request, subject to availability |

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