

## Radish Root Ferment Filtrate

### Specification Sheet

**Description:** All-natural ingredient with effective preservative properties, based on the synergy exhibited by multiple plant extracts. Easy to use and will not impart any additional color or odors to your formulations.

**CAS:** 56-81-5, 84775-94-0, 84603-62-3, 999999-99-4, 90-80-2

**INCI Name:** Leuconostoc/radish root ferment filtrate, Lonicera Japonica (honeysuckle) flower extract, Lonicera Caprifolium (honeysuckle) flower extract, Populus Tremuloides (aspen bark) extract, gluconolactone

**Composition:** Leuconostoc/radish root ferment filtrate, Lonicera Japonica (honeysuckle) flower extract, Lonicera Caprifolium (honeysuckle) flower extract, Populus Tremuloides (aspen bark) extract, gluconolactone, glycerin

**Appearance:** Straw to yellow color liquid

#### Benefits:

- 100% natural plant-derived product.
- Predominantly active against Gram-positive and Gram-negative bacteria. It also demonstrates activity against fungi and yeast (products which are highly prone to mold or yeast growth may need additional fungal protection).
- Contains benzoic acid (a natural constituent of honeysuckle) typically at concentrations < 0.01%.
- Compatible with most ingredients used in the personal care and pharmaceutical industry.
- Effective at wide pH range from 2 to 8.
- Can be used in products for a preservative-free claim.

**Use:** Water-soluble for easy use. Add at the end of formula and mix very well. Can also be added to the water phase of a formula. Typical use level is 0.5-2.5%. Can be added to formulas at temperatures of up to 50°C/120°F. For external use only.

**Applications:** Creams, lotions, cleansing products, hair care products incl. shampoos and conditioners.

**Solubility:** Water-soluble

**Storage:** Store in a closed container at a dry place at room temperature.

**Country of Origin:** USA

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**Raw material source:** Radish root, two different Honeysuckle flower extracts and Aspen bark extract

**Manufacture:** Extracts prepared by two-phase extraction process.

**Animal Testing:** Not animal tested.

**GMO:** GMO-free

**Vegan:** Does not contain animal-derived components.

**HS Code:** 2906210000