

## Lingonberry Stem Cells

### Specification Sheet

**Description:** Plant stem cells obtained from Lingonberry (*Vaccinium vitis-idaea*) which is a “superfruit” rich in vitamins C, vitamin E, and polyphenols with protective and repairing properties against the damaging effects of sun radiation. Preserved with sodium benzoate. Clear viscous pale pink liquid, odorless. Water-soluble.

**CAS:** 7732-18-5, 56-81-5, 90131-85-4, 11138-66-2, 532-32-1, 77-92-9, 90-80-2, 299-28-5

**INCI Name:** Water, glycerin, *Vaccinium vitis-idaea* fruit extract, xanthan gum, sodium benzoate, citric acid, gluconolactone, calcium gluconate

**Benefits:**

- Can increase the natural antioxidant mechanisms of skin cells and decrease mediators that induce skin irritation
- Prevents and repairs skin damage caused by ultraviolet and infrared radiation
- Reduces appearance of wrinkles and spots, improves loss of firmness, dehydration, and roughness

**Use:** Add to aqueous phase of emulsions (creams, lotions, gels etc.). Typical use level is 1-2%. Store in refrigerator. For external use only.

**Applications:** Photo aging repair, sun protection products, anti-aging products, creams lotions, primers, foundations.

**Country of Origin:** Spain

**Raw material source:** Lingonberries. The following substances have the GRAS status ('Generally Recognized As Safe'): Glycerin, gluconolactone, citric acid, sodium benzoate, xanthan gum, and calcium gluconate as assessed by the Cosmetic Ingredient Review (CIR) expert panel.

**Manufacture:** No preparation details revealed by the manufacturer for proprietary reasons.

**Animal Testing:** Not animal tested

**GMO:** Unlikely to contain GMO materials but not tested for GMO.

**Vegan:** Yes