

## Lupine Protein, Hydrolyzed

### Specification Sheet

**Description:** Hydrolyzed protein from the seeds of the lupine plant (*Lupinus*) which are high in proteins and contain 35-45% of all the essential amino acids. Lupine cultivation goes way back to ancient Egypt and Greece. Preserved with phenoxyethanol. Clear yellow to amber liquid, faint herbal odor, water soluble.

**CAS:** 84082-55-3

**INCI Name:** Hydrolyzed lupine protein

**Benefits:**

- Contains a high amount of essential amino acids which provide many benefits and options in the fight against premature aging
- Good anti-static, rejuvenating and conditioning properties

**Use:** Add to formulas to the water phase. Typical concentration 2-40%. Store in refrigerator. For external use only.

**Applications:** Skin and hair care products, sun care & after-sun products, scalp treatments.

**Country of Origin:** USA

**Raw material source:** Seeds of the lupine plant

**Manufacture:** Hydrolyzed lupine protein is made by creating an alkaline lupine seed-meal solution and adding a blend of proteases to induce enzymatic hydrolyzation. After enzyme inactivation the solution is purified and filtered.

**Animal Testing:** Not animal tested

**GMO:** GMO free

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