

## Barley Quat

### Specification Sheet

**Description:** Very mild cationic quaternary ammonium compound made of hydrolyzed proteins naturally sourced from food grade golden barley. Contains 22-26% of proteins. Gluten-free. Dissolved in water.

**CAS:** 7732-18-5

**INCI Name:** Water, Laurdimonium Hydroxypropyl Hydrolyzed Barley Protein

**Composition:** Water, Laurdimonium Hydroxypropyl Hydrolyzed Barley Protein, Benzyl Alcohol, Potassium Sorbate, Sodium Benzoate

**Appearance:** Clear to slightly hazy amber liquid, characteristic odor.

**Benefits:**

- Increases hair strength and defends against heat damage.
- High proline content, known for strong antioxidant properties.
- Has effective hair conditioning properties.
- Provides complete thermal protection for healthier looking hair.

**Use:** Add to water-phase of formulas. Typical use level: 1-3%. For external use only.

**Applications:** Hair conditioners, hair shampoos, hair rinses, leave-in hair products, hair primers, finishing sprays, styling products.

**Solubility:** Water-soluble

**Preservation:** Benzylalcohol, potassium sorbate, sodium benzoate

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

**Country of Origin:** USA

**Raw material source:** Barley proteins, coconut oil

**Manufacture:** Barley quat is produced by hydrolyzation of barley proteins combined with a fatty moiety from coconut oil. It is then further "quaternized" by alkylation of tertiary amines to obtain a quaternary ammonium compound.



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**Animal Testing:** Not animal tested

**GMO:** GMO-free

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

**HS Code:** 3402120000