

QUATIN® 350 TQ-D

Product name: QUATIN® 350 TQ-D
INCI name: Hydroxypropyltrimonium inulin
CAS number: 205131-94-8



Description

QUATIN® 350 TQ-D is a novel cationic inulin polymer that offers a unique combination of sensory benefits and deposition performance in various personal care applications. It is a sustainable alternative to traditional cationic (bio)polymers because of its inherently biodegradable status as well as its excellent aquatic and ecotoxicity profile.

Product specification

Physico/chemical aspects

Appearance Clear amber* liquid
pH value (as is, 20°C) 5 - 6

Chemical composition

Hydroxypropyl trimonium Inulin $\geq 38 \%$
Cationic by-products ≤ 3.5
Sodium chloride ≤ 10.0
Average degree of substitution (DS) 0.3 ± 0.4

*As a result of the naturality of the product, the color may slightly change from batch to batch.

Preservation

Not preserved.

Usage

QUATIN® 350 TQ-D is primarily used to neutralize negative charges on hair lamellae and to deposit all types of actives onto a surface. As a result, it conditions the hair effectively, moisturizes the skin, and boosts the sensory of foam which makes it a suitable ingredient for 2-in-1 shampoos, conditioners, and shower products.

QUATIN® 350 TQ-D is supplied as a concentrated aqueous solution which is cold processable and compatible with a wide range of surfactants. It allows for transparent formulations and will not affect the product's viscosity. Typical dosage levels vary between 0.5% (low), 1.25% (medium), and 2% (high).

Packaging

Drums and IBC's.

Storage conditions

Store tightly closed and dry. Should be stored at room temperature.

Shelf life

Provided stored as advised, the product has a shelf life of 12 months.

