



HARKE
PersonalCare

VERDANT
A SAMYANG COMPANY



HairCare

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MACKERNIUM® Sustainable Conditioning Solutions
from Verdant

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In today’s personal care industry, the focus is shifting towards active ingredients that **deliver exceptional performance while respecting the planet**. Formulators are not just looking for ingredients that work; they want solutions that align with sustainability goals, minimise environmental impact, and meet consumer demands for eco-conscious products.

Verdant, a leading name in the personal care industry, has answered this call with its **exceptional range of naturally derived conditioning agents**. Standout offerings in their portfolio are different MACKERNIUM® products, which deliver outstanding benefits for hair and skin care formulations.

The Power of MACKERNIUM® BTAC & BTMS SERIES

MACKERNIUM® BTAC & MACKERNIUM® BTMS are both versatile and beneficial ingredients in hair care products, especially for dry, frizzy, curly, or textured hair. They condition, soften, and smooth hair cuticles, reducing static and frizz while providing shine. These ingredients enhance manageability, making hair easier to detangle and style.

Verdant offers a wide variety of ingredients for pearled or opaque formulations, featuring high active cationics for formulation versatility, cationics combined with co-emulsifiers for ease of formulation, and amine conditioning agents for cationic-free conditioners.

Ingredients in the MACKERNIUM® BTAC & BTMS Rang

Trade Name	INCI	Activity (%)	Form	Carrier
BTAC 228	Behentrimonium Chloride	80	Pellet	Ethanol
BTAC PF4050	Behentrimonium Chloride, Cetearyl Alcohol	40	Pellet	Isopropanol
BTAC PF4060	Behentrimonium Chloride & Cetearyl Alcohol	40	Pellet	-
BTAC D7570	Behentrimonium Chloride	70	Pellet	Dipropylene Glycol
BTAC P7580	Behentrimonium Chloride	80	Pellet	Isopropanol
BTMS 225	Behentrimonium Methosulfate, Cetearyl Alcohol	20	Pellet	-
BTMS 7550	Behentrimonium Methosulfate, Cetyl Alcohol	50	Pellet	Butylene Glycol
BTMS E 7550	Behentrimonium Methosulfate, Cetyl Alcohol, Stearyl Alcohol	50	Pellet	-
BTMS P8580	Behentrimonium Methosulfate	80	Pellet	Isopropyl Alcohol

The Power of MACKERNIUM® GQ SERIES

MACKERNIUM® GQ-C500 is a natural cationic guar polymer that provides excellent conditioning benefits in hair care formulations. It is ideal for creating weightless volume shampoos, offering fine hair enhanced body and silkiness without weighing it down. This ingredient is a top choice for formulators seeking to achieve voluminous and soft hair results.

INCI:
Hydroxypropyl Guar Hydroxypropyltrimonium Chloride

MACKERNIUM® GQ-NT500 is a natural guar-based conditioning ingredient recommended in formulations for its multiple benefits. This cationic guar polymer provides excellent wet & dry combing, thickening and soft feel to hair and is suitable for silicone-free and transparent formulations.

INCI:
Guar Hydroxypropyltrimonium Chloride

Key Benefits

- **Enhanced Conditioning:**
Deeply conditions hair to improve overall texture and feel.
 - **Frizz Control:**
Effectively tames frizz and provides long-lasting smoothness.
 - **Improved Detangling:**
Reduces combing forces for easier hair management.
- **Adds Shine:**
Imparts a natural, healthy-looking shine to hair.
 - **Versatility in Formulations:**
Suitable for a wide range of hair care products, including shampoos, conditioners, and treatments.
 - **Eco-Friendly Innovation:**
Formulated with naturally derived, sustainable ingredients that align with green beauty trends.



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