

TECHNICAL DATA

VANATURAL[®] CA

Bentonite Clay

VANATURAL[®] CA is a unique rheology modifier, suspending agent and emulsion stabilizer for personal care products. It is a natural, water-washed bentonite clay that provides acid pH aqueous dispersions. Its INCI name is Bentonite.

FEATURES

EASY TO HYDRATE

The hydration of smectite clays typically requires heated water, extended mixing times or the use of high shear mixers to exploit their full thickening and suspending capabilities. **VANATURAL CA** is conveniently hydrated in unheated water with common equipment such as a propeller mixer. The recommended minimum hydration time is only 15 minutes.

pH OPTIMIZED

VANATURAL CA provides acidic dispersions. Buffering is not usually required when **VANATURAL CA** is used to stabilize and modify the rheology of skin pH cosmetic and personal care formulations.

SYNERGISTIC WITH GUMS AND POLYMERS

VANATURAL CA is an anionic clay compatible with most anionic and nonionic ingredients. It can be cohydrated with common anionic polymers such as carbomer, xanthan gum and CMC. The clay and polymer may be dry blended and added to the hydration water simultaneously. These mixtures produce rheology synergism and thereby provide optimum viscosity and stability in topical compositions. **VANATURAL CA** also beneficially modifies the texture and feel of these formulas, providing tack-free topical products and reducing or eliminating the tacky, gummy or stringy nature of organic gums and polymers.

TYPICAL PROPERTIES

Physical Form	Free-Flowing Granules
Color	Off-white to light tan
Viscosity of 5% Aqueous Dispersion	150 - 400 cps.
pH of 5% Aqueous Dispersion	3.5 - 5.5
Moisture Content	8% maximum

Cosmetic grades of **VANATURAL[®]** Bentonite Clay, including **VANATURAL CA**, when used in cosmetics are intended for topical and dental use only. **VANATURAL CA** can also be used in industrial and agricultural applications.

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