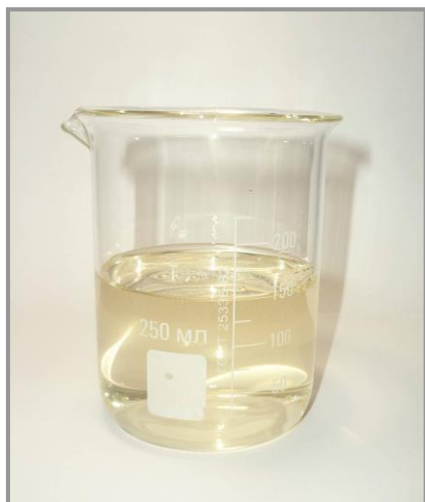


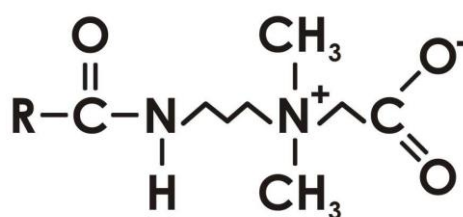
Technical Data Sheet

Chemical name: Cocamidopropyl betaine

Country of Origin: Russia



Trade name: Xellan[®]-Betaine



Cocamidopropyl betaine (CAPB) is an amphoteric surfactant. It is a product of condensation of coconut fatty acids and dimethylaminopropylamine. CAPB is used as a surfactant, foaming agent, viscosity increasing agent, emulsifier and conditioner. As a surfactant, it's mostly used in bath products because it gently cleanses the skin/hair by helping water to mix with oil and dirt so that they can be rinsed off. On top of that, its pH range contributes a mild germicidal effect, which also makes it an effective, yet mild, cleansing agent for personal sanitary products. Because of its well known foaming and moisturizing capabilities, and the fact that its compatible with all types of surfactants (anionic, nonionic & cationic), it's used in a variety of

bath, body & hair products. You can find this ingredient in shampoo, body wash, hair dye, cleanser, deodorant, liquid hand soap, bubble bath, anti-dandruff treatment, exfoliant/scrub, acne treatment and conditioner.

Description	Specification
Appearance	Homogeneous liquid
pH value of 1% water solution at 20°C	4 - 7
Active matter, %	30±2
Amidoamine content, %	≤ 0,5
Sodium chloride content, %	≤ 6