



AKAY ORGANICS LTD



AKAY ORGANICS LIMITED was incorporated in the year 1984. Akay is promoted by a group of professionals and is presently manufacturing Sodium Carboxy Methyl Cellulose by using **FABDOCELL PROCESS** in their state-of-the-art plant at Tarapur (Maharashtra).

The advantages of **FABDOCELL PROCESS** are:

- Consistent quality due to better control over the process parameters.
- Can achieve higher viscosity grades without additives and higher degree of substitution.
- Least contamination with extraneous matter due to closed operation.
- Uniform degree of substitution hence enhanced performance.

AKAYLOSE is the trade name of Sodium Carboxy Methyl Cellulose (CMC). **AKAYLOSE** is suitable for use in a wide range of applications such as:

SOAPS AND DETERGENTS

LAUNDRY

- Prevents redeposition of dirt
- Retains whiteness
- Improves extrusion in soap and detergent cakes
- Imparts better binding



OIL WELL DRILLING

- Reduction of Water Loss
- Regulates the visco-elasticity of the mud
- Good lubricating effects on drills and rod
- Minimum swelling or disintegration of the hole wall and thinner, denser filter cakes
- High electrolytic stability



PHARMACEUTICAL

ointments, Creams & Lotions

- Stabilizer, Thickener & Film Former

Tablets

- High Strength Binder

Suspensions

- Thickener, Suspending Aid

Syrup

- Thickener



FOOD

Ice Creams

- Controls Ice Crystal Growth

Beverages

- Viscosifier, improves mouthfeel

Deserts

- Controls sugar crystal size, improves texture

Baked Goods

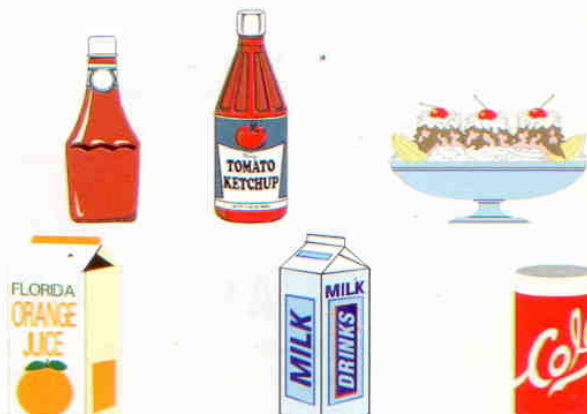
- Improves moisture retention & texture

Low Calorie Food

- Imparts body & mouthfeel. No Caloric Value

Protein Food

- Retains water, improves mouthfeel



PAINT

- Ensures minimum reduction in viscosity on storage
- Useful thickener
- Effective binder
- Excellent emulsion stabilizer
- Rheology control, suspending aid, protective colloid, water binding



COSMETICS

TOOTHPASTE

- Thickener, Suspending aid, improves body and mouthfeel, flavour stabilizer

CREAM LOTION

- Film former, thickener, emulsion stabilizer

SHAMPOOS

- Suspending aid, foam stabilizer, thickener, high water binding capacity

GELLED PRODUCTS

- Gelling agent, film former, thickener



CERAMICS

- Offers wetting, suspending and adhesive power
- Improves binding
- Increases green strength plasticity
- Forms film and controls moisture uniformity



ADHESIVE

- Acts as a thickener, binder, stabiliser, suspending agent rheology or flow control agent



TEXTILES

- Film Former
- Good adhesion to fibre
- Excellent thickener and binder
- Low BOD Value
- Gives desired finish and surface smoothness



PAPER & PAPER BOARD

- Better binding strength
- It improves mechanical strength such as breaking, bursting and folding
- It improves strength of the paper



Apart from above applications it is used in welding electrodes, insecticides, leather, foundry, pencils and explosives.

AKAYLOSE is available in both technical and purified grades depending on the Active Matter, Viscosity and Degree of Substitution.

Details required with enquiry: A) Application

B) (i) Active matter, (ii) Viscosity, (iii) Degree of substitution, (iv) Any other requirement.



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