

Reachin AC-TB

INCI name:

Titanium dioxide & Sucrose & Iron Oxide Black (CI77499) & Zea Mays (corn) Starch & Hydroxypropyl methylcellulose

Staphylococcus aureus Absent

Pseudomonas aeruginosa Absent

Total aerobic microbial count (CFU/g)max 100

Yeast and mold (CFU/g)max 100

CAS Number: 13463-67-7 & 57-50-1 & 1317-61-9 & 9005-25-8 & 9004-65-3

* These values indicate typical specification; they are not intended to be used as product specifications.

Specification:

Item	Specification
Appearance	Off white, spherical pellets
Odor	Odorless, or match the standard sample
pH Value	4.0-8.0
Loss of Drying (%)max	5.0
Bulk Density (kg/m ³)	1000-1800
Lead (Pb, ppm)max	10
Arsenic (As, ppm)max	2
Mercury (Hg, ppm)max	1
Particle size (%)	100% pass through 35mesh (500 μm)
	Not less than 90% pass through 50mesh(300μm) Not more than 5% pass through 200mesh (75μm)

Benefits:

- Perfect spherical appearance
- Variety of colors
- Both hydrophobic and hydrophilic cosmetic actives can be incorporated
- Hard and solid in bulk (easy to process and delivery)
- Stable in wide pH range (3-10)
- Size available 250μm-1700μm
- Easily applied into formulations
- Soften in water-based formulation
- Completely and easily rub-out without any residue
- Use level: 0.5-3%

Microbial limits

Escherichia coli Absent

Application:

- It can be used in water-based personal care formulation (such as fact cream, body butter,

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shower gel, shampoo etc.) to provide visual effects, and delivery cosmetic actives for example: vitamin, marine water, glitter, plant extract, fragrance, flavors....

- Formulation less than 50% surfactant are recommended
- Low and gentle shear mixing and filling is recommended in the process
- Normally, colorlets should be gently and simply mixed in the formulation at last step of process

Formula Guidelines:

Reachin AC-TB can be very easily applied in formulation, some simple guidelines are suggested

- Colorlets takes 1-5 hours to be completely hydrated and soften for the applications
- Near neutral pH as a general rule, avoid high pH
- When using ultramarine pigment, avoid pH lower than 6.5

Storage & Handling:

Standard Packing: 20kg/Carton

Storage: Keep the packing dry and well-sealed to prevent contamination and absorption of damp. Do not store together with oxidizing agents.

Shelf life: 24 months

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For further information, please visit <http://www.reachinchem.com>