

# ***AviChlorhex-B***

Chlorhexine Base

## **High-Purity Solution for Superior Antimicrobial Protection.**

AviChlorhex-B is an advanced, high-purity chlorhexidine base, designed to meet the rigorous demands of various industries. Recognized for its potent antimicrobial properties, AviChlorhex-B is essential in formulations that maintain sterile and secure environments. AviChlorhex-B provides reliable and effective protection against contamination from healthcare applications to industrial sanitation, making it a critical asset for professionals committed to upholding the highest hygiene standards.

## **The Aid Organics Advantage**

- FSSC-22000, ISO-14000, and ISO-45000, SMETA accredited facility.
- Kosher, Halal, FSSAI, and FDA-certified food & feed products/ingredients.
- All operations powered by 100%
- Pledged to achieve zero actual carbon emissions by 2040.
- Strictly committed to zero animal testing.
- In-house R&D that delivers customized, eco-friendly solutions to meet evolving industry needs.
- State-of-the-Art infrastructure facility.

AviChlorhex-B is manufactured precisely, ensuring it consistently meets stringent industry standards. Our product is available as a white or almost white powder, reflecting its purity and quality, and is optimized for use in various applications where superior antimicrobial efficacy is required.

## Market Applications of AviChlorhex-B

### 1. Skin & Hand Disinfection

- A key ingredient in top-tier skin and hand disinfectants.

### 2. Healthcare Industry

- Used in antiseptic solutions for treating cuts and peri-odontal treatments.

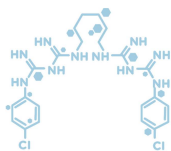
### 3. Oral Health

- Used as an irrigation solution in root canal treatments.

### 4. Pharmaceutical Preservative

- A trusty addition in eye drops, ensuring longer shelf life and safety.

## Technical Specifications



CAS Number: 55-56-1  
Molecular Formula:  $C_{22}H_{30}Cl_2N_{10}$   
Molecular Weight: 505.46 g/mol

Parameter	AviChlorhex-B Specification
Appearance	White or almost white powder
Solubility in water	It dissolves in hot n-Butanol and Mineral acid; Very slightly soluble in Methanol; Practically in soluble in water
Identification	
A) IR	A) IR spectrum of the test sample should be concordant with that of Chlorhexidine working standard
B) Melting Range	B) Between 132-C -136-C
C) Color test	C) A deep red color produced
Loss on drying	Not More Than 1.0 % w/w
Sulphated Ash	Not More Than 0.1 % w/w
P-Chloroaniline	Not More Than 500 ppm
Assay	98 % to 102 % on dried basis

