

Pharmaceutical Grade Quaternary Ammonium Compounds, Excipients and Preservatives

Ophthalmics, Vaccines, Injectables, Medical Devices,
Nasal, Oral and Topical Products

cGMP manufactured as per ICH Q7, providing the purest and safest ingredients, as per the latest Ph. Eur./BP/USP/NF/JP monographs

Quaternary Ammonium Compounds

Quats provide the unique ability of offering flexible properties to tailor the ingredient to a specific application, based on the need for level of antimicrobial activity, skin sensitivity, solubility and foaming requirement.

Our most widely used Quat, **PurecareX[®] BKC IOX** Benzalkonium Chloride, is produced with an optimised alkyl chain length distribution over C12, C14 and C16.

By varying the alkyl (fatty) chain lengths and halogen used we can customize the product to suit the required application.

Quats, being bactericidal and fungicidal, have a superior antimicrobial effect, and are effective over all pH levels. All our products are provided with Bacterial Endotoxin Test, Microbial Limit Test, Total Yeast & Mould Count, Total Aerobic Microbial Count, Total Fungi Count; along with Minimal Inhibitory Concentration Reports and Stability Studies.

PurecareX[®] BKC IOX Benzalkonium Chloride (C12, C14, C16, C18)
PurecareX[®] LKC IOX Laurylkonium Chloride (C12)
PurecareX[®] MKC IOX Meristalkonium Chloride (C14)
PurecareX[®] CKC IOX Cetalkonium Chloride (C16)
PurecareX[®] SKC IOX Steralkonium Chloride (C18)
PurecareX[®] CTC IOX Cetrimonium Chloride (C16)
PurecareX[®] CTB IOX Cetrimonium Bromide (C16)
PurecareX[®] CMD IOX Cetrimide (C14)



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Pharmaceutical Grade Preservatives and Excipients

Pharmaceutical products are susceptible to contamination, which can originate from both the surrounding environment and microorganisms on or within the human body. Microbial contamination poses a potential risk to the safety, purity, and effectiveness of these products. Thus, it is crucial to employ a reliable, pure and safe preservative to maintain their integrity and safety.

Our, **PurecareX®** Quats, Preservatives, and Excipients are highly effective against a broad spectrum of microorganisms, including both gram+ and gram- bacteria, moulds, and yeasts. This versatility makes them valuable components in a wide array of products designed for use in both human and veterinary applications.

Functional excipients act as active ingredients within pharmaceutical products, providing critical benefits like improved solubility, stability, and formulation preservation. The selection of the purest and safest excipient guarantees both drug stability within the formulation and the achievement of desired functionality.

- PurecareX® BZT IOX** Benzethonium Chloride
- PurecareX® BB IOX** Benzyl Benzoate
- PurecareX® CPC IOX** Cetylpyridinium Chloride
- PurecareX® OHC IOX** Octenidine Hydrochloride
- PurecareX® PHB IOX** Polyhexamethylene Biguanide (PHMB)
- PurecareX® CTC IOX** Cetrimonium Chloride

