

# Benzalkonium Chloride

A powerful cGMP grade antimicrobial surfactant

## Providing *peace of mind* to manufacturers and patients worldwide

- **Ensure product** quality and safety with a proven antimicrobial
- **Reduce risks** using a cGMP grade ingredient
- **Ensure compliance** with a complete global package
- **Avoid process variability** with consistent batch-to-batch quality

### One ingredient – many applications

Benzalkonium Chloride (BKC/BAC/BAK/BZK) has an impressive track record acting as an API and for preserving formulations. Used in solutions, suspensions, gels, creams, ointments, lozenges and more, typically within these applications:



Ophthalmic



Nasal



Topical



Oral & Respiratory



Wound Care

## Why choose Benzalkonium Chloride?

BKC is the workhorse of antimicrobials. Its properties, combined with our expertise and pharmaceutical grade, make it the ingredient of choice for antimicrobial control.

## Antimicrobial power – against bacteria, fungi and viruses

BKC is a broad-spectrum antimicrobial with proven efficacy against both Gram+, Gram- and acid-fast bacteria, fungi and enveloped viruses at very low concentrations.



### Product properties:

- Proven **broad spectrum bactericide**
- Effective through **pH range 4-11**
- **Very stable** at various temperatures and pH
- **Non-volatile**
- **Cost effective** with activity at low concentrations
- **Strong surfactant**
- **Safe to use**, non-flammable and widely available
- **Soluble** in both aqueous and oily phases

### Product support:

- cGMP and ISO certificates
- Compliant to Ph.Eur., USP/NF, JP, ChP
- Relevant ICH guidelines
- Extensive regulatory package
- Audits, Questionnaires, Change Notification

enabling better

Novo Nordisk  
Pharmatech A/S



## Better input leads to a bigger impact

Learn more about **Benzalkonium Chloride**, its properties and uses, by visiting our website

**What is Benzalkonium Chloride?** Read about its properties and uses



**White papers** covering each application segment, and more



**Download our brochure**



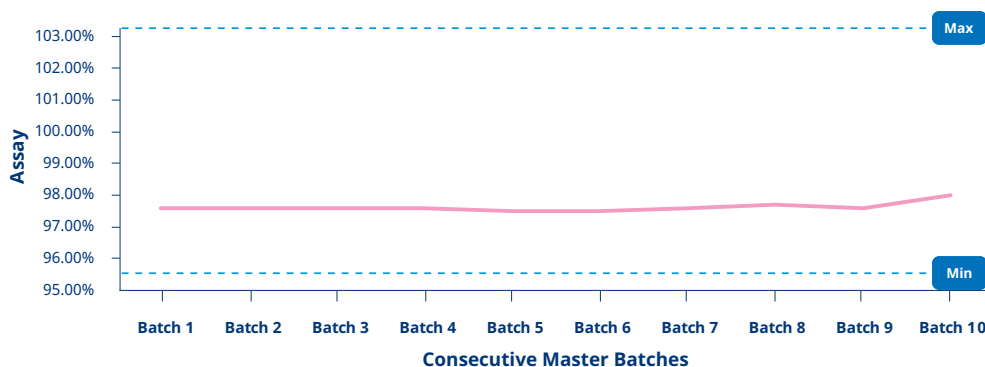
## Never compromise on quality

Compliant with ICH Q7 cGMP for APIs. Fully validated processes. Full traceability. Risk-based approach. Reduce incoming testing and batch variation in finished products.

### The same quality – batch after batch

#### Batch Analysis

Based on 10 consecutive master batches of concentrated Benzalkonium Chloride



Benzalkonium Chloride Products	Packaging Size	Item Number
FeF® Benzalkonium Chloride Ph.Eur., USP/NF	1 kg	7800014
	5 kg	7800015
FeF® Benzalkonium Chloride Ph.Eur., USP/NF, JP	1 kg	7800012
	5 kg	7800013
FeF® Benzalkonium Chloride Solution 50% Ph.Eur., USP/NF	1 kg	7800004
	5 kg	7800005
	25 kg	7800006
	1000 kg	7800027
FeF® Benzalkonium Chloride Solution 50% Ph.Eur., USP/NF, JP	1 kg	7800009
	5 kg	7800010
	25 kg	7800011
FeF® Benzalkonium Chloride Solution 50% (45/55) Ph.Eur., USP/NF	1 kg	7800020
	25 kg	7800019
FeF® Benzalkonium Chloride Solution 50% (53/30/15/2) Ph.Eur., USP/NF	1 kg	7800008
FeF® Benzalkonium Chloride Solution 17% USP/NF	25 kg	7800003

CAS No. 8001-54-5 REACH CAS No. 68424-85-1

## Being sustainable

Novo Nordisk Pharmatech operates with the highest standard in a financially, environmentally and socially responsible way ranking in the top 1% of the EcoVadis Sustainability Assessment.

