



# FeF Benzalkonium Chloride Solution 17% USP/NF

## Application

Item No. 7800003 (25 kg)

FeF Benzalkonium Chloride (BKC) Solution 17% USP/NF is a viscous, aqueous solution of quaternary ammonium compounds. FeF BKC 17% USP/NF is a very efficient germicide which is active against most common micro-organisms, such as bacteria, fungi and algae. FeF BKC 17% USP/NF is widely used in pharmaceuticals as the active ingredient (API) due to its anti-microbial effect and as an excipient because of its preserving properties.

## Specifications

Identification:	Complies to USP/NF
Amines and amine salts:	Max. 0.17 ml/g
Acidity or alkalinity:	Max. 0.1 ml 0.1M HCl or NaOH
Benzyl alcohol:	Max. 0.5% w/w
Benzaldehyde:	Max. 0.15% w/w
(Chloromethyl)benzene:	Max. 0.05% w/w
Any other detectable impurity:	Max. 0.10% w/w
Ratio of alkyl components:	C12: 60 - 70%w/w, C14: 30 - 40%w/w, C16: Max. 5%w/w
Assay:	16.15 - 17.85% w/v
Total Aerobic Microbial Count:	Max. 1 CFU/g
Total comb. Yeast/Mould Count:	Max. 1 CFU/g

## Description

Composition:	FeF BKC 17% USP/NF consists of Benzyl (dodecyl) dimethyl ammonium chloride (approx. 65%) and Benzyl (tetradecyl) dimethyl ammonium chloride (approx. 35%). FeF BKC 17% USP/NF contains approx. 17% active ingredients.
CAS No.:	8001-54-5
EINECS No.:	264-151-6
Names:	Benzalkonium Chloride (BKC). Alkyl dimethyl benzyl ammonium chloride.
Appearance of product:	Clear liquid, colourless or slightly yellow.
Chain length:	60-70% w/w C <sub>12</sub> , 30-40% w/w C <sub>14</sub> and max. 5% w/w C <sub>16</sub> .

## Technical information

Standards:	The quality system meets DS/EN ISO 9001. The environmental system meets DS/EN ISO 14001.
Grade:	Pharmaceutical grade.
Quality:	The product is manufactured in accordance with the cGMP Guide for Active Pharmaceutical Ingredients (API) ICH Q7.
TSE:	FeF BKC 17% USP/NF does not contain materials of animal origin.
Solubility:	FeF BKC 17% USP/NF is miscible with water or lower alcohols, such as methanol, ethanol and propanol in all ratios. FeF BKC 17% USP/NF is neither miscible with benzene nor ether.
Compatibility:	Mixing FeF BKC 17% USP/NF with ordinary soaps and/or with anionic detergents may decrease the activity.
Density:	Approx. 0.99 g/ml.
Packaging:	FeF BKC 17% USP/NF is packaged in rectangular HDPE containers with tamper proof HDPE screw Caps.
Shelf life:	5 years.
Storage:	Store protected from excessive heat.

## Safety and handling

See the Material Safety Data Sheet on [novonordiskpharmatech.com](http://novonordiskpharmatech.com)

### Please note

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