

# Pharmaceutical grade quaternary ammonium compounds



# By delivering excellence at every step, we help you do the same



## Excellence. Multiplied

### Best and safest ingredients

If uniform high quality is the key to your products, you should begin with ours. As the world's leading supplier of quaternary ammonium compounds (Quats), we provide only the best and safest ingredients for the pharmaceutical and personal care industries. Our ingredients are produced according to the highest cGMP standards and backed by complete regulatory documentation. This combination of high-purity products and regulatory services has made us an approved supplier to many of the world's leading pharmaceutical companies.

## Highest quality standards

Our quality system meets DS/EN ISO 9001 and the ICH Guide Q7 for Active Pharmaceutical Ingredients (ICH Q7). We offer complete QA/QC documentation for our cGMP manufactured Quats.



We are highly specialised in pharmaceutical grade Quats. The uniform quality of our finished products – and of yours – is ensured by our efficient quality control, fully validated processes and rigorous laboratory quality control. In-process samples, as well as finished products, are carefully analysed in our modern, well-equipped laboratory.

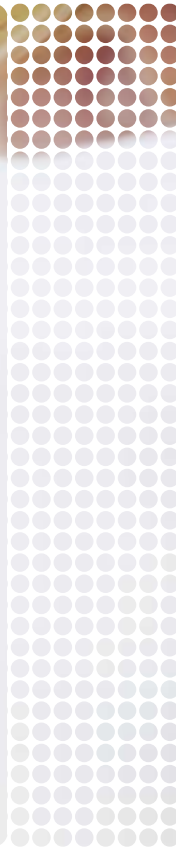
### Customised solutions

Our team of experts can help you choose the right product for your formulation, or develop a custom-designed product

to meet your specific needs. Our proven record of fast delivery assures you of continuous availability to keep development on track and production flowing. Our in-stock pharmaceutical products can be shipped according to your requirements, and our entire range of products is offered in a variety of packing solutions, meeting demands for small- and large-size packaging.



# Imagine a breakthrough product. Now keep it consistent



## Range of applications

Our highly specialized synthesis process makes Novo Nordisk Pharmatech a leading supplier of quaternary ammonium compounds (Quats) for a wide range of applications. High levels of purity for products such as benzalkonium chloride, cetrimide, cetyltrimonium bromide (CTAB) and a range of others make them particularly suited for pharmaceutical applications, such as vaccine production. They act either as preservatives or active ingredients in many ophthalmic, nasal, oral and topical drugs and in a variety of solutions, ointments and creams. For the cosmetic industry, our products' purity and characteristics provide ideal conditioning, emulsifying and preserving effects in hair and cream products.

## Extensive documentation

We offer an extensive range of documentation to help you meet registration and regulatory requirements for your products. This includes multicompendial analysis and access to regulatory documentation. We ensure the best possible service and fast preparation of documentation, such as Drug Master Files. To further facilitate your drug registration requirements, we offer access to our Certificates of Suitability according to the Monographs of the European Pharmacopoeia for benzalkonium chloride solution 50%, benzalkonium chloride and cetrimide.

## Quality. Proven



## Product attributes

- Proven record of efficacy against a broad spectrum of microorganisms
- Effective through a wide pH range
- Odourless and colourless in your formulation
- Surface active / adhesive cationic agent
- Very stable, proven under ICH Q1 conditions
- Five-year shelf life

Our products	Cas number	Packaging size	Item number
FeF® Benzalkonium Chloride Ph.Eur., USP/NF	8001-54-5	1 kg	7800014
		5 kg	7800015
FeF® Benzalkonium Chloride Ph.Eur., USP/NF, JP	8001-54-5	1 kg	7800012
		5 kg	7800013
FeF® Benzalkonium Chloride Solution 50% Ph.Eur., USP/NF	8001-54-5	1 kg	7800004
		5 kg	7800005
		25 kg	7800006
		1000 kg	7800027
FeF® Benzalkonium Chloride Solution 50% Ph.Eur., USP/NF, JP	8001-54-5	1 kg	7800009
		5 kg	7800010
		25 kg	7800011
FeF® Benzalkonium Chloride Solution 50% (45/55) Ph.Eur., USP/NF	8001-54-5	1 kg	7800020
		25 kg	7800019
FeF® Benzalkonium Chloride Solution 50% (53/30/15/2) Ph.Eur., USP/NF	8001-54-5	1 kg	7800008
FeF® Benzalkonium Chloride Solution 17% USP/NF	8001-54-5	25 kg	7800003
FeF® Cetrimide Ph.Eur.	1119-97-7	25 kg	7800002
FeF® Strong Cetrimide Solution 40% BP Pharma with ethanol	1119-97-7	200 kg	7800024
FeF® Strong Cetrimide Solution 40% BP Pharma with isopropyl alcohol	1119-97-7	200 kg	7800025
FeF® Cetyl Trimethyl Ammonium Bromide (CTAB) USP/NF (cardboard box) (plastic drum)	57-09-0	25 kg	7800022
		25 kg	7800023

# Our resources help you keep development on track



## Reliability. Proven

### Secure global supply chain

- Adherence to the EU guidelines on Good Distribution Practice (cGDP) for API's
- Precision delivery
- Certified *known consignor* supplier



### **More than 70 years of experience**

Novo Nordisk Pharmatech specialises in supplying ingredients for the biopharmaceutical and pharmaceutical industries. We were established in 1949, acquired by Novo Nordisk in 1986 and have been part of the pharmaceutical group since then. Our own highly qualified personal work continuously on product development and improving documentation to suit your needs.

### **Sustainability and Triple Bottom Line**

As an environmentally responsible manufacturer, our concern for the surrounding environment takes a very high priority. We continuously aim to reduce our environmental impact by developing safe processes, optimising effective resource utilisation and minimising discharge and waste. Our environmental management system is certified according to ISO 14001 and ISO 450001.

Novo Nordisk is a member of the UN Global Compact and World Business Council for Sustainable Development (WBSCD). As a fully owned subsidiary, we follow the same general policies for sustainability, business ethics and code of conduct. We believe that a healthy economy, environment and society are fundamental to long-term business success. This is why we manage our business in accordance with the Triple Bottom Line (TBL) business principle, conducting activities in a Financially, Environmentally and Socially responsible way.







The Apis bull logo is a registered trademark of Novo Nordisk A/S. December 2021

Novo Nordisk Pharmatech A/S  
Københavnsvej 216  
4600 Køge  
Denmark  
Phone: +45 5667 1000  
[www.novonordiskpharmatech.com](http://www.novonordiskpharmatech.com)

**Novo Nordisk  
Pharmatech A/S**

