

# Bioselect®

ULTRAPURE GUANIDINE SALTS



QUALITY  
MADE IN  
GERMANY



alzchem  
group

# Bioselect® – High-Quality Guanidine Salts



Alzchem develops and manufactures **ultrapure guanidine salts** for biotechnological, diagnostic and pharmaceutical applications – sold under the brand name Bioselect®. Alzchem is **completely backward-integrated** in the production of guanidine hydrochloride. From the raw material to the end product, everything is manufactured in our

plants in Germany, which results in a **high level of quality assurance** for the end product without unwanted quality fluctuations.

All of our production sites are ISO-certified and provide back-up capacities to further **assure continuity of supply**.



## Product overview

Product	Purity	Other specs	Packaging
<b>GUANIDINE HYDROCHLORIDE FOR BIOTECHNOLOGICAL APPLICATIONS:</b>			
MBG (molecular biology grade)	> 99.7%	UV-Abs. (6 M) < 0.03 at 260 nm	10 kg PE drum with special liner and drying agent
BPG (biopharmaceutical grade)	> 99.5%	UV-Abs. (6 M) < 0.05 at 260 nm	10 kg/20 kg PE drum with special liner and drying agent
LC6-Grade, 50% solution	> 99.0%	UV-Abs. (6 M) < 0.1 at 260 nm	200 L PE drum, 1000 L IBC container, 200 L sterile, manifold packaging
LC-Grade, 55% solution	> 99.0%	UV-Abs. (6.7 M) < 0.30 at 260 nm	30 L PE canister, 200 L PE drum, 1000 L IBC container
LC7-Grade, 60% solution	> 99.0%	UV-Abs. (7.4 M) < 0.35 at 260 nm	30 L PE canister, 200 L PE drum, 1000 L IBC container
LC8-Grade, 64% solution	> 99.0%	UV-Abs. (8.0 M) < 0.05 at 260 nm	30 L PE canister 1000 L IBC container
<b>GUANIDINE HYDROCHLORIDE FOR TECHNICAL APPLICATIONS:</b>			
Technical, w/AB	> 98.0%	Contains 0.2 – 0.4 % anticaking agent	25 kg PP bag with PE liner
Technical, w/o AB	> 98.0%		25 kg PP bag with PE liner
<b>GUANIDINE THIOCYANATE FOR BIOTECHNOLOGICAL APPLICATIONS:</b>			
ultrapure	> 99.0%	UV-Abs. (3 M) < 0.4 at 280 nm	20 kg PE drum with PE liner

## Our service – Your advantage

- 100% Made in Germany
- Assured and sustainable high quality
- Custom-made buffer solutions and lysis buffers
- Backwards integration to key raw materials
- Only Western producer
- Wide selection of different grades and packaging sizes

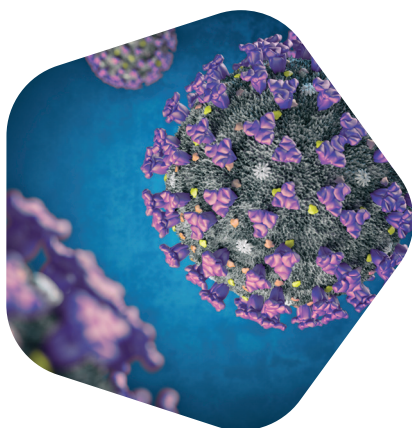
## Applications for high purity biotechnological grades



Downstream processing in biopharmaceutical/biosimilar manufacturing

### **Bioselect® Guanidine hydrochloride**

- Purification of biologics i.e. monoclonal antibodies or recombinant proteins
- Cleaning of industrial separation columns



Molecular diagnostics

### **Bioselect® Guanidine hydrochloride/Guanidine thiocyanate**

- Virus and bacteria diagnostics test kits/sample preparation for PCR-based diagnostics
- E.g. extraction of RNA for Covid-19 PCR test kits
- Auxiliary reagent for the isolation of nucleic acids
- Forensic testing of DNA




Technical grades

### **Technical Guanidine hydrochloride**

- As intermediate for agrochemicals and pharmaceuticals
- Production of biocides
- Wood and textile treatment
- Electroplating





**With our products  
we bring your proteins  
into the right shape.**

**YOUR ULTRAPURE GUANIDINE SALTS**

**Alzchem – your strong,  
reliable and innovative partner**

**Alzchem Trostberg GmbH**  
Dr.-Albert-Frank-Straße 32  
83308 Trostberg, Germany  
[specialtychemicals@alzchem.com](mailto:specialtychemicals@alzchem.com)

**Alzchem LLC**  
1000 Parkwood Circle SE,  
Suite 320  
Atlanta, GA 30339,  
USA  
T +1 770 910 7719

**Alzchem Shanghai Co., Ltd.**  
Unit 501-5, Building C3,  
No. 700 Yishan Road,  
Xuhui district,  
Shanghai 200233, CHINA  
T +86 21 5424 9788



**alzchem.com**