



alzchem
group

Sustainability and corporate social responsibility

TRADITION MEETS SUSTAINABILITY



Excellent dealing with people
and the environment



Successful reduction of the annual
CO₂ emissions by ~ 50,000 tons*



Spending of ~ 24 M€* annually in
the protection of the environment



Successful audits of the Trostberg
site by the industry initiative
"Together for Sustainability"



Commitment to compliance with
responsible care guidelines



* data basis 2022

Bioselect®

Backwards integrated in the NCN-
chain · Produced sustainably and
with the highest quality standards



OUR PATH TO CLIMATE NEUTRALITY – The Climate Roadmap of Alzchem Group AG

Bioselect®

Ultrapure guanidine salts for biotechnical, diagnostic and pharmaceutical applications

Pharmaceutical products contribute significantly to the health and wellbeing of the global population. Pharmaceutical agents based on "big molecules", also called biologics, meanwhile represent approximately 40% of the registered active pharmaceutical ingredients, with an upward trend within the pharmaceutical industry.

Guanidine hydrochloride as an excipient for the purification of protein-based pharmaceutical active ingredients plays a very important role in this application field and is in line with the global goals of the UN for sustainable development.

Molecular diagnostics as an integral part in pharmaceutical diagnostics is gaining more importance. This field of application is also sustainable according to the UN Sustainable Development Goals (SDGs) (SDG 3, Good Health and Well-Being).

PRODUCT QUALITY

- Bioselect® products based on internally produced dicyandiamide - completely backwards integrated in the NCN-chain "Made in Germany"
- Verification of product properties are carried out in-house in accredited analytical laboratories

ENERGY & EMISSIONS

- Increasing use of renewable energy sources
- Continued reduction of our product CO₂ footprints through energetic use of CO gas for oil and gas compensation in combination with using the formed CO₂ as raw material
- Since 2021 we operate a regenerative thermal oxidation facility (RTO) for waste air purification

PRODUCTION NETWORK & TRANSPORT

- Geographical proximity of our 4 different production sites → short transportation routes for the further processing, mainly by rail
- Use of AI (artificial intelligence) to optimize production processes along our NCN-chain → significantly increasing yields
- Intelligent network integration including energy and material flows, side products e. g. CO₂ used as raw material; cycles can be closed; goal: zero waste

RAW MATERIAL & WASTE MANAGEMENT

- Raw materials production in-house resp. if sourced from external: almost exclusively from our European suppliers
- Regular quality and safety audits at our suppliers
- Wherever possible we handle bulk quantities (raw material, finished goods)
- Only approved and audited packaging is used
- Packaging waste management comply with the requirements of the EU packaging and waste directive regulating the reuse or recoverable nature of packaging due to their composition

We ACT.



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