

# Sanal<sup>®</sup>

## Pharmaceutical Salt



Consistent high quality driven  
by continuous improvement

# Consistent high quality continuous improvement

Sanal® Sodium Chloride Pharmaceutical Quality gives you purity you can rely on. We make this promise to you based on four key guarantees

- **TRUST:** We are a reliable and trustful company
- **ASSURANCE:** We ensure performance being long term in control
- **QUALITY:** We guarantee continuous high quality
- **FLOWABILITY:** Sanal® pharma grade salt with optimized free flowing properties



## TRUST

We are a reliable and trustful company

Sanal® is produced by a **well-established company** with **impeccable credentials** and a **long heritage**. You can trust us to deliver **professional services**, adhere to **legal requirements**, meet **social responsibilities** and set **sustainability and safety** as a high priority. Having won the **respect** of customers and the industry, we are determined to maintain our **excellent reputation**.



## ASSURANCE

We ensure performance being long term in control

Quality Assurance is of paramount importance to us. Our staff put **quality first in everything we do** all monitored by a **dedicated QA department**. By strictly following **standard procedures**, our Quality Unit is committed to achieve **world class performance in every batch** and must give **approval** on all batches before **leaving our plant**. Rigorous **training** is provided for all personnel. In addition, we continuously monitor relevant legislation and participate in courses to remain **up to date with latest requirements**. Thanks to these efforts, **we are certified: ISO9001, ISO14001, OHAS18001 and ISO50001**. We accept **audits** from customers and authorities and provide **commitment letters**. Above all, we are **open to change** and will do whatever it takes to **maintain the highest standards**.

# Quality driven by Improvement



## QUALITY

**We guarantee continuous high quality**

We work according to the highest **international standards** and continuously carry out product **testing** to ensure **these standards** are being met. Our products are **produced and packed in Denmark** and we control the whole supply chain from salt dome to final product, so we can **guarantee high quality and purity**. In addition, our API products are produced on a **dedicated and closed production line** while our fully integrated **CAPA and MOC** systems allow a controlled and complete workflow for corrective actions and changes.



## FLOWABILITY

**Sanal® pharma grade salt with optimized free flowing properties**

One of our highest priorities is to **optimize flowability** through **advanced production processes and packaging**. Our R&D department devotes extensive resources to optimize flowability and optimize production set up. Last but not least, we have extensive **know-how in storing and transporting salt** to maintain its flowability.



## Sanal® – a unique product range

Requirements	Sanal® P	Sanal® P+	Sanal® SQ
Highly pure sodium chloride without any additives	X	X	X
Active pharmaceutical ingredient quality	X	X	X
Certificate of Suitability (CEP 2008-105)	X	X	X
Manufacture, quality management and analysis pursuant to guidelines for the manufacture of Pharmaceutical ingredients (GMP-ICH Q7)	X	X	X
Meet the requirements of the monograph for the Russian and Chinese Pharmacopoeia		X	
Meet the requirements of the monograph for the European, Canadian, Indian, Japanese, Korean, Taiwanese and US Pharmacopoeia	X	X	X
Comply with American Chemical Society (ACS)			X
<b>Application</b>			
Suitable for the manufacture of haemodialysis, haemofiltration, haemodiafiltration and peritoneal dialysis solutions	X	X	
Suitable for the manufacture of parenterals	X	X	
Suitable for use as fine chemicals		X	X
Suitable for microelectronics		X	X
Suitable for micro galvanic processes		X	X
<b>Packaging</b>			
25 kg LD-PE bags (40x25 kg and 49x25 kg) (1, 2)	X	X	X
1000 kg form-stable FIBC's with Euro pallet size (1)	X	X	X
Loose in silo trucks	X	X	
1) On heat-treated wooden pallets complying with IPPC/ISPM 15			
2) Each wrapped with flex net for stacking stability and covered with protective cover			



Production site for Sanal®  
at the Mariager Fjord in Denmark

### Sanal® Pharmaceutical Salt

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