

Sanal®

Pharmaceutical Salt



Consistent high quality driven
by continuous improvement



Mariager
SALT SPECIALTIES

Consistent **high quality** driven by 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**.



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.



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**.



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		
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
Application			
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
Packaging			
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			



SCAN ME

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