

Lewatit® S 8229 Plus x is a Food grade, weakly acidic, macroporous cation exchange resin based on crosslinked polyacrylate. It is bead-shaped and has a special bead size distribution for use in household filter systems and technical drinking water plants.

In the highly buffered hydrogen form **Lewatit® S 8229 Plus x** is suitable for:

- » decarbonisation and softening of drinking water in household filter systems.

When using **Lewatit® S 8229 Plus x** to treat potable water and the aqueous solutions listed above, special care should be given to the initial cycles of the new resin. Please refer to the recommended start-up conditions available on request.

The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art. Further advice in this matter can be obtained from Lanxess, Business Unit Ion Exchange Resins.

General Description

Ionic form as shipped	H ⁺ /Na ⁺
Functional group	carboxylic acid
Matrix	crosslinked polyacrylate
Structure	macroporous
Appearance	white, opaque

Physical and Chemical Properties

		metric units		
Total capacity*	H-Form	min. eq/l	4.3	
Uniformity Coefficient*		max.	1.8	
Bead size*	> 90 %	mm	0.315	- 1.6
Effective size*		mm	0.59 (+/- 0.06)	
Bulk density	(+/- 5 %)	g/l	770	
Density		approx. g/ml	1.21	
Water retention		wt. %	48	- 56
Volume change	H/Na --> Ca	max. Vol. %	-4	
Stability	at pH-range		0	- 14
Storability	of the product	max. years	1	
Storability	temperature range	°C	-20	- 40

* Specification values subjected to continuous monitoring.

Additional Information & Regulations

Safety precautions

Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Toxicity

The safety data sheet must be observed. It contains additional data on product description, transport, storage, handling, safety and ecology.

Disposal

In the European Community ion exchange resins have to be disposed, according to the European waste nomenclature which can be accessed on the internet-site of the European Union.

Storage

It is recommended to store ion exchange resins at temperatures above the freezing point of water under roof in dry conditions without exposure to direct sunlight. If resin should become frozen, it should not be mechanically handled and left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

This document contains important information and must be read in its entirety.

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