

Lewatit® S 8229 Plus Ag 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 cartridges for household filter systems.

Lewatit® S 8229 Plus Ag is suitable for:

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

Lewatit® S 8229 Plus Ag is silver impregnated (bacteriostatic properties).

When using **Lewatit® S 8229 Plus Ag** 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 ⁺ /Ag ⁺
Functional group	carboxylic acid
Matrix	crosslinked polyacrylate
Structure	macroporous
Appearance	grey, 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	0.4 - 1.6
Effective size*		mm	0.59 (+/- 0.06)
Bulk density	(+/- 5 %)	g/l	850
Density		approx. g/ml	1.24
Water retention		wt. %	60 - 65
Volume Change	H/Na --> Ca	typical vol. %	- 25
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.

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

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