

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

In its highly buffered hydrogen form, **Lewatit® S 8229 Plus X** is suitable for the decarbonisation and softening of drinking water in household filter systems.

Lewatit® S 8229 Plus X is highly buffered with sodium.

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 Liquid Purification Technologies.

Common Description

Delivery form	H ⁺ /Na ⁺
Functional group	Carboxylic acid
Matrix	Crosslinked polyacrylate
Structure	Macroporous
Appearance	white, opak

Specified Data

Uniformity coefficient		max.	1.8
Range of size for >90 vol% of all beads		mm	0.4-1.6
Effective size	d10	mm	0.48-0.64
Total capacity (H ⁺ form)		min. eq/L	4.3

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

Typical Physical and Chemical Properties

Bulk density for shipment	(+/- 5%)	g/L	820
Density		approx. g/mL	1.25
Water retention (delivery form)		approx. weight %	58-63
Stability pH range			0-14
Stability temperature range		°C	1-70
Storage time (after delivery)		max. years	1
Storage temperature range		°C	-20 - +40

Operation

Operating temperature		max. °C	70
Operating pH range	during exhaustion		5-14

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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.

Packaging

The experience has shown that the packaging stability for reliable resin containment is limited to 24 months under the storage conditions described above. It is therefore recommended to use the product within this time frame; otherwise the packaging condition should be checked regularly.

LENNTECH
WATER TREATMENT SOLUTIONS

info@lennotech.com Tel. +31-152-610-900

www.lennotech.com Fax. +31-152-616-289

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