PRODUCT DATA SHEET[1)]

TREVER®|LITE IXA810/CL

for nitrate removal

DESCRIPTION

TREVERLITE IXA810/Cl is a high performing strongly basic, macroporous anion exchange resin with a polyamine group. It has a crosslinked polystyrene matrix for the selective removal of nitrates from potable water and food products. Treverlite IXA810/Cl removes nitrates preferentially to sulphate.

TREVERLITE IXA810/Cl has a good ion exchange capacity and has an outstanding mechanical and osmotic stability, which makes it unique for water treatment units. It can be used in any industrial installation.

TYPICAL PROPERTIES AND CHARACTERISTICS

Physical form	Cream, spherical beads
Ionic form as shipped	Cl^-
Structure	Crosslinked polystyrene, macroporous
Functional group	Quaternary ammonium
Total exchange capacity	> 0.9 eq/l
Moisture holding capacity	48-58%
Shipping weight	650-750 g/l
Specific gravity	1.05-1.15

Particle size

Particle size range	(0.45 to 1.250 mm) ≥ 95%
Uniformity coefficient	≤ 1.6
Fines content	< 0.45 mm : 0.1% max.
Coarse beads	> 1.250 : 5% max.

TYPICAL APPLICATION

- Nitrate removal from potable water

SUGGESTED OPERATING CONDITIONS

Operating temperature	max. 80°C (Cl^- form)
Minimum bed depth	700 mm
Service flow rate	5-40 BV/h [2]
Maximum linear velocity	50 m/h
Regenerant	NaCl
Recommended level (g/l_{Resin})	125-250
Concentration (%)	5-10
Minimum contact time	30 minutes
Slow rinse	2-5 BV
Fast rinse	2-8 BV

Operating conditions refer to the use of the product under normal operating conditions. They are based on experience in industrial applications. However, additional data are needed to calculate the resin volumes for larger plants. For more information please contact our technical experts.

Governmental regulations vary from country to country. Please seek advice from your local CHEMRA representative in order to determine the best resin choice and operating conditions.

[1] Preliminary
[2] BV/h (Bed Volume) = 1 unit of solution per 1 unit or resin per hour

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