

Aldex C-800 Series • Manufactured in Canada using no chlorinated solvents • Lowest TOC

C-800NH₄ (LS) Low Sodium Cation Resin Ammonia Form

Aldex C-800NH₄ (LS) is a **very low sodium**, high quality, gel-type cation resin supplied in the **ammonia form**. It is manufactured under special conditions to meet the exacting requirements for **ultrapure water production**. Its low metal content meets the requirements of the **nuclear power industry**.

Physical Chemical Properties

Polymer Structure:	Sulfonated styrene/ divinylbenzene copolymer
Ionic Form as Shipped:	Ammonia
Physical Form:	Tough, spherical beads
pH Range:	0 to 14
Moisture Content (NH ₄):	46 to 50%
Conversion to Ammonia:	97 to 98.5%
Shipping Weight:	52 lbs per cubic foot
Total Capacity H ⁺ Form:	1.9 meq/ml minimum
Specific Gravity:	1.27

Safety Information

A material safety data sheet is available for Aldex C-800NH₄ (LS). Copies can be obtained from Aldex Chemical Co., LTD. Aldex C-800NH₄ (LS) is not a hazardous product and is not WHMIS controlled.

Caution: Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Before using strong oxidizing agents in contact with ion exchange resin, consult sources knowledgeable in the handling of these materials.

C-800NH₄ (LS) Features

Very Low Sodium and Metal Content

Special manufacturing conditions ensure very low metal content.

Elemental analysis, dry basis

Sodium (Na)	<10 ppm
Cobalt (Co)	<10 ppm
Copper (Cu)	<10 ppm
Aluminum (Al)	<50 ppm
Iron (Fe)	<50 ppm

No Organic Chlorides Leakage

No chlorinated solvents are used in the manufacturing of Aldex C-800NH₄ (LS) resulting in no leakage of organic chlorides.

Very Low TOC

Non solvent sulfonation and special manufacturing processes assure very low TOC leakage.

Superior Physical Stability

90% plus sphericity and high crush strengths together with a very uniform particle size provide greater resistance to bead breakage while maintaining low pressure drop.

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These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However, we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents. Further, we assume no liability for the consequences of such actions.

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