

**Aldex C-800 Series** • Domestically manufactured using no chlorinated solvents • Lowest TOC

## C-800H (LS) Low Sodium Cation Resin Hydrogen Form

Aldex C-800H (LS) is a **very low sodium**, strongly acidic, high quality, gel-type cation resin supplied in the **hydrogen 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:	Hydrogen
Physical Form:	Tough, spherical, black beads
Screen Size Distribution:	
+16 mesh (U.S. Std.)	Less than 1%
-16+40 mesh	98%
-40+50 mesh	1% maximum
-50 mesh	0.2% maximum
pH Range:	0 to 14
Moisture Content:	50 to 56%
Conversion to H <sup>+</sup> Form:	99% minimum
Shipping Weight:	50 lbs per cubic foot
Total Capacity H <sup>+</sup> Form:	1.9 meq/ml minimum
Specific Gravity:	1.23

### Safety Information

A material safety data sheet is available for Aldex C-800H (LS). Copies can be obtained from Aldex Chemical Co., LTD. Aldex C-800H (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-800H (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-800H (LS) resulting in no leakage of organic chlorides.

#### Very Low TOC

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

#### Uniform Particle Size

98% of all beads are in the minus 16 to plus 40 mesh range, giving a lower pressure drop while maintaining the superior kinetics of standard mesh size products.

#### 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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