

Aldex Catalyst Series • Manufactured in Canada using no chlorinated solvents • Lowest TOC

C-15H (LS) Low Sodium Cation Resin Hydrogen Form

Aldex C-15 H (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 use as a **solid acid catalyst** or in the production of **ultrapure water**. The low metal content of Aldex C-15 H LS 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 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 54% |
| Conversion to H ⁺ Form: | 99% minimum |
| Shipping Weight: | 50 lbs per cubic foot |
| Total Capacity H ⁺ Form: | 1.8 meq/ml minimum |
| Specific Gravity: | 1.23 |

Safety Information

A material safety data sheet is available for Aldex C-15 H (LS). Copies can be obtained from Aldex Chemical Co., LTD. Aldex C-15 H (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-15 H (LS) Features

Very Low Sodium and Metal Content

Special manufacturing conditions ensure very low metal content.

Elemental analysis, dry basis

| | |
|---------------|---------|
| Sodium (Na) | <3 ppm |
| Cobalt (Co) | <10 ppm |
| Copper (Cu) | <10 ppm |
| Aluminum (Al) | <50 ppm |
| Iron (Fe) | <25 ppm |

No Organic Chlorides Leakage

No chlorinated solvents are used in the manufacturing of Aldex C-15 H (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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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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