

Aldex CSR Series

Chromatographic Separation Resins

Aldex CSR Series resins are *especially designed as a universal media for the physical separation of ingredients for the food and beverage industry.*

Benefits of Aldex Ion Exchange Resins

The **Aldex Chemical Company** is recognized worldwide for manufacturing top quality resins that consistently meet or exceed tight industry tolerances. Aldex also has a reputation for producing beads highly uniform in size that provide superior performance compared to standard-grade resins with Gaussian particle size distribution. Aldex manufactures cation and anion exchange resins available as gel or macroporous polymer structures.

Aldex ion exchange resins will provide premium performance in the deashing of sweeteners. They also perform exceptionally well for chromatographic enrichment of high fructose corn syrup and for sugar recovery from beet sugar plants.

Aldex CSR Features

Aldex Chromatographic Separation Resins (CSR-1, CSR-2, and CSR-3) are gel-type, strong acid cation resins supplied in the Calcium (Ca) form. These consistent 280- μ m resins with rapid kinetic properties provide improved efficiency in sweetener separations over standard-grade resins. Aldex CSR is engineered for simulated moving bed (SMB) chromatographic separations in food and beverage applications. They provide the highest recovery and purity for starch based sweeteners as well as the purification of polyols.

Aldex CSR Properties

Index Name	CSR-1	CSR-2	CSR-3
Mass Capacity	≥ 4.5 mmol/g	≥ 4.5 mmol/g	≥ 4.5 mmol/g
Moisture Content	45-55%	45-55%	45-55%
Bulk density	0.77-0.87 g/ml	0.77-0.87 g/ml	0.77-0.87 g/ml
Particle Size	0.20mm-0.25mm, $\geq 95\%$	0.25mm-0.30mm, $\geq 95\%$	0.30mm-0.35mm, $\geq 95\%$
Uniformity Coefficient	≤ 1.1	≤ 1.1	≤ 1.1

Request Information

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