



Product Data Sheet

AMBERLITE™ CG50 TYPE1 Ion Exchange Resin

Ion Exchange Resin Powder

Description

AMBERLITE™ CG50 TYPE1 Ion Exchange Resin is a crosslinked methacrylic type of weakly acidic cation exchange resin powder. The resin has a high concentration of carboxylic groups which serve as the ion exchange site of the resin.

Applications

- Separation and purification of a wide range of pharmaceutically active compounds such as aminoglycosides, antibiotics, vitamins, etc.

Typical Properties

Physical Properties

Copolymer	Crosslinked aromatic polymer
Matrix	Macroporous
Type	Weak acid cation
Functional Group	Carboxylic acid
Physical Form	Dry fine powder

Chemical Properties

Ionic Form as Shipped	H ⁺
Total Exchange Capacity	≥ 10 meq/g
Moisture content	≤ 10%

Particle Size §

Particle Diameter	100 – 200 mesh (US Std) 75 – 150 µm
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§ For additional particle size information, please refer to the [Particle Size Distribution Cross Reference Chart](#) (Form No. 177-01775).

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Please be aware of the following:

- **WARNING:** Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

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