



# AMBERLITE® CG50 (Type I)

Weak Acid Cation Exchange Resin Powder

## PRODUCT DATA SHEET

AMBERLITE CG50 (type 1) 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.

The principal application of AMBERLITE CG50 (type 1) is the recovery, separation and purification of a wide range of pharmaceutically active compounds such as aminoglycosides, antibiotics, vitamins, etc.

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### PROPERTIES

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Matrix _____	Macroporous crosslinked methacrylate
Functional groups _____	-COO <sup>-</sup>
Physical form _____	Dry fine powder
Ionic form as supplied _____	H <sup>+</sup>
Total exchange capacity _____	10 meq/g min
Moisture content _____	10 % max
Particle size _____	Nominally 100 to 200 mesh (US Std) 75 to 150 µm

### FOOD PROCESSING

Rohm and Haas manufactures special resins for food processing and potable water applications. As governmental regulations vary from country to country, it is recommended that potential

users seek advice from their Amberlite representative in order to determine the best resin choice and optimum operating conditions and a correctly classified bed.

All our products are produced in ISO 9002 certified manufacturing facilities.

Rohm and Haas/Ion Exchange Resins - Philadelphia, PA - Tel. (800) RH AMBER - Fax: (215) 409-4534  
Rohm and Haas/Ion Exchange Resins - 75579 Paris Cedex 12 - Tel. (33) 1 40 02 50 00 - Fax : 1 43 45 28 19

WEB SITE: <http://www.advancedbiosciences.com>



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Ion exchange resins and polymeric adsorbents, as produced, contain by-products resulting from the manufacturing process. The user must determine the extent to which organic by-products must be removed for any particular use and establish techniques to assure that the appropriate level of purity is achieved for that use. The user must ensure compliance with all prudent safety standards and regulatory requirements governing the application. Except where specifically otherwise stated, Rohm and Haas Company does not recommend its ion exchange resins or polymeric adsorbents, as supplied, as being suitable or appropriately pure for any particular use. Consult your Rohm and Haas technical representative for further information. Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Nitric acid and other strong oxidising agents can cause explosive type reactions when mixed with Ion Exchange resins. Proper design of process equipment to prevent rapid buildup of pressure is necessary if use of an oxidising agent such as nitric acid is contemplated. Before using strong oxidising agents in contact with Ion Exchange Resins, consult sources knowledgeable in the handling of these materials.

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