

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

November 17, 2010

Mr. John F. Crowley President and Chief Executive Officer Amicus Therapeutics, Inc. 6 Cedar Brook Drive Cranbury, New Jersey 08512

Re: Amicus Therapeutics, Inc.

Form 10-K for the fiscal year ended December 31, 2009

Filed March 10, 2010

DEF 14A filed April 28, 2010

File No. 001-33497

Dear Mr. Crowley:

We have completed our review of your Form 10-K and related filings and have no further comments at this time.

Sincerely,

Jeffrey Riedler Assistant Director

cc: Geoffrey P. Gilmore, Esq.
Senior Vice President and General Counsel
Amicus Therapeutics, Inc.
6 Cedar Brook Drive
Cranbury, New Jersey 08512