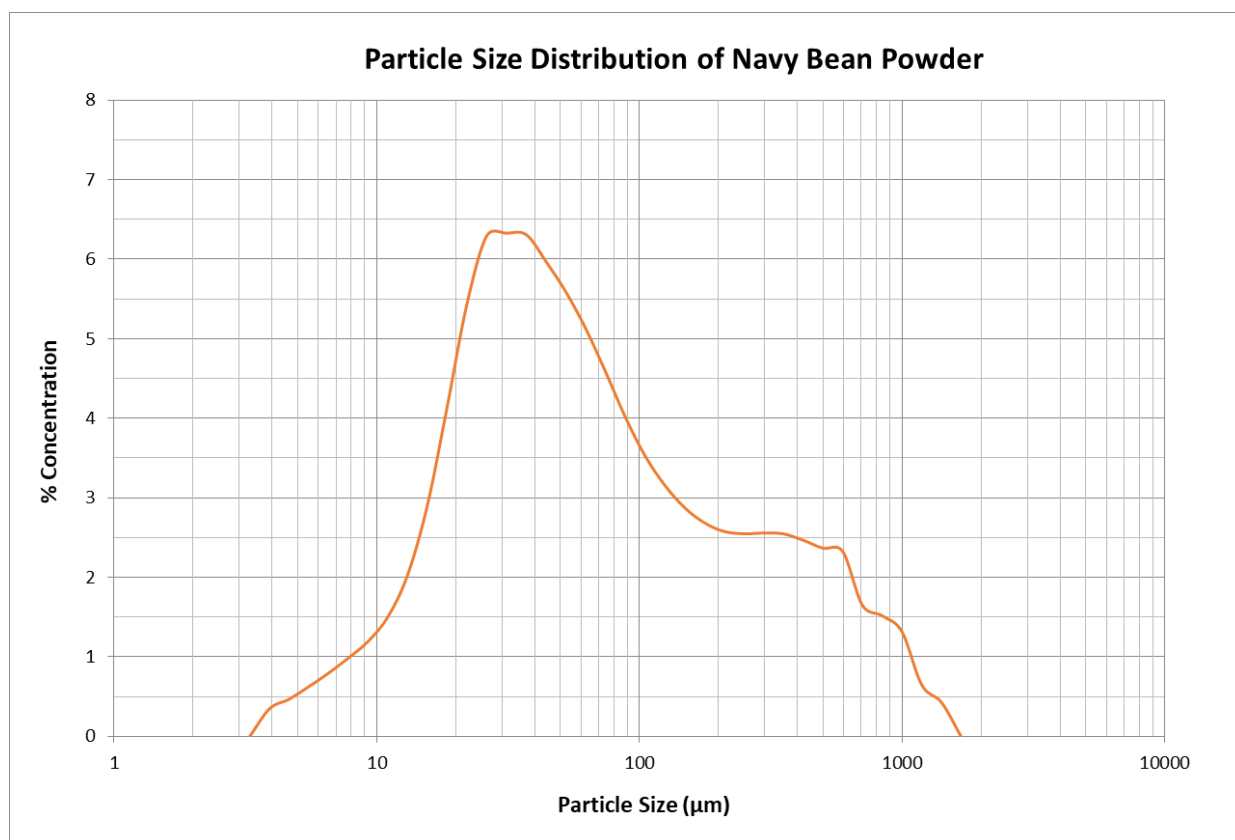


SplitStream Cyclone Dust Removal Case Study

Navy Bean Powder Removal

Aerodyne Environmental tested navy bean powder from food processing in our S400 SplitStream test lab. The test was done at room temperature and with a pressure drop of 4.5" W.C. through the primary airstream of the cyclone and 8.0" W.C. through the secondary airstream. The dust loading was 19 grains/ft³. The navy bean powder sample tested had a particle size distribution as shown in the graph below. Its mean particle size was 50 micron and had a bulk density of 45 lbs/ft³.

The S400 SplitStream cyclone got 99%* removal of the material.



* Please note that particle removal efficiency is based on multiple factors in the process, including but not limited to cyclone size, pressure drop through the cyclone, particle size distribution, particle geometry, and material density. This test is a representative test, and results for your application may be different based on the above conditions.