

APPLICATION

A producer of food grade additives and conservation products must filter a liquid compound as a purification step before crystallisation of the product. A drum filter is used for this step, on which diatomaceous earth is used to form a filtration cake. The client is complaining about the large amount needed, the manipulation of the large number of bags, the costs and the variable quality of filtration.



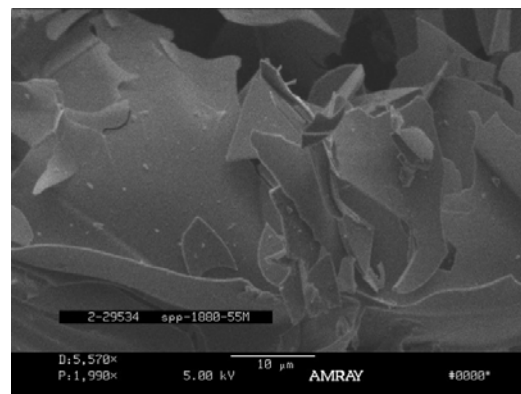
Drum Filter

SOLUTION

A full scale trial was realized with the use of Silbrico's Perlite Grade 21 S in the place of the diatomaceous earth. From the beginning, the operators notice a higher quality filtration cake, the quantity required to build the cake is less and the quality of the filtration is greater. With the Silbrico Perlite being approved by the Canadian Food Agency, it is the first choice for this application.



Perlite 21S



Saturation levels of < 500 ppm

OUTCOME

After long term trials under the actual operating conditions, Silbrico's Perlite demonstrates its superiority. The client uses 40% less volume of filter aid, lowered costs by 35% and obtains a more constant quality of filtration for the product.