

Exercise

- Design vitamin C crystallization plant
 - Specifications for Vitamin C product:
 - Ascorbic acid content > 99 wt-%
 - organic impurities < 0.2 wt-%
 - Particle size distribution
 - Max 20 % < 75 μ m,
 - Max 30 % > 150 μ m
 - Specification for Vitamin C process:
 - Requested production:
 - 3 kta
 - Feed stream:
 - 20 wt-% ascorbic acid in water
 - 0.1 wt-% KGA present
 - Centrifuge:
 - Cake liquid content: 10 wt-%
 - Cryst. Res. Technol. 43 (2008), 381 - 389

