



Essential Minerals

Granulation Technical Guide

Directly Compressible for Tableting

There are few applications that require tighter Calcium Carbonate particle sizing requirements than granulators. As end customers also tighten the limits on various trace metals and purity requirements, it can be difficult to meet all their specifications.



Particle Size Classification

Each granulation line has an ideal size range where it runs best, which is then complexed with the customers compaction needs for tablet compression strength. Most commonly it's a choice between a narrow or broad particle distribution with Calcium Carbonate. Essential Minerals offers an ideal range where a vast majority of the particles are on the median target, while there is still just enough on low and high end to fill voids and maximize compaction. The ideal balance for both granulators and tablet makers.

Trace Metal Practical Limits

Essential Minerals PureCal products offer the lowest available trace metals on the market from an all natural Calcium Carbonate. Allowing granulators to meet the lowest Lead, Cadmium, Arsenic, Mercury, and Aluminum specifications possible under current regulations such as Prop 65.

All of our grades also meet the much tighter demands of Class I ICH Q3D. We have a lot of technical expertise in this area, and would be happy to demonstrate our capabilities.

