All maltodextrins tested produced acceptable granulations. As a dry binder, the agglomerated maltodextrins (MALTRIN QD® products) are lower in bulk density and larger in particle size than the spray dried maltodextrins (MALTRIN® products). The low DE agglomerated maltodextrin required more water to activate the binding properties than was needed with the higher DE agglomerated products. However, all the lower DE maltodextrins produced a larger particle size finished granulation. Differences in particle size were observed before wet and dry sizing, but once sized, QICPIC and Malvern data both showed little difference between the granulations.

Since the agglomerated maltodextrins are more soluble and wet out faster in the granulation process, the agglomerated maltodextrins produced a slightly larger particle size granulation over the spray dried maltodextrins. The bulk density results were consistent for all granulations.