**Results**

Weight of empty bag (before filling) = 184.17g
Weight of filled bag = 1458.57g
Weight of empty bag (after emptying) = 184.87g

Weight of DE placed in bag = 1458.57 - 184.17 = 1274.40g
Weight of DE left in bag = 184.87 - 184.17 = 0.70g
Product recovery = 100% x ((1274.40 - 0.70) / 1274.40) = 99.95%

Inspection of the used PTB revealed that much of this 0.70g of residue was located on a small 60 degree bevel at the interface between the Tri-Clamp flange and the film of the bag. Very little powder was left on the interior surface of the bag film, indicating that the static dissipative properties of the film are effective.

**Conclusions**

The Newsafe cPTB tested (15L/4"TC/static dissipative film) is capable of transferring low density dry powders with efficiency higher than 99.9%, even when the bag is only partially filled. As such, a washdown procedure is generally regarded as unnecessary with the Newsafe cPTB.