

Sieve Method – Corn Soy Blend

Sieves used: #6, #30, #60

- 1) Mix sample well and weigh 20g (+/- 0.1g).
- 2) Stack the #6 sieve on a pan.
- 3) Place sample on top of the #6 sieve and place on a mechanical shaker (i.e. Strand Shaker, or RoTap Shaker).
- 4) Shake for 2 minutes.
- 5) If any lumps remain on top of #6 sieve, use slight pressure on the lump to determine if it crumbles.
- 6) Weigh any sample that remains on the top of #6 sieve. Record the weight.
- 7) Stack the #30 sieve on a pan.
- 8) Place the sample in the pan on top of the #30 sieve.
- 9) Brush the sample on the sieve with a 2” paintbrush for 1 minute with constant spinning of the sieve.
- 10) Tap the side of the sieve vigorously with the paintbrush to allow any particles remaining on the screen to fall into the pan.
- 11) Weigh any sample that remains in the pan. Record the weight.
- 12) Stack the #60 sieve on a pan.
- 13) Place the sample from the pan on top of the #60 sieve.
- 14) Brush the sample on the sieve with a 2” paintbrush for 1 minute with constant spinning of the sieve.
- 15) Tap the side of the sieve vigorously with the paintbrush to allow any particles remaining on the screen to fall into the pan.
- 16) Weigh any sample that remains in the pan. Record the weight.

Calculations:

#6 Sieve-

$$\% = 100 * (20 - \text{weight on top of sieve \#6}) / 20.$$

#30 Sieve-

$$\% = 100 * \text{weight in pan after sieve \#30} / 20.$$

#60 Sieve-

$$\% = 100 * \text{weight in pan after sieve \#60} / 20.$$