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-
\[ \text{%} = 100 \times \left(20 - \text{weight on top of sieve #6}\right) / 20. \]

#30 Sieve-
\[ \text{%} = 100 \times \text{weight in pan after sieve #30} / 20. \]

#60 Sieve-
\[ \text{%} = 100 \times \text{weight in pan after sieve #60} / 20. \]