What’s Next
Resolving the Moisture Issue in Pet Foods

AAFCO’s Laboratory Methods & Services Committee Moisture Best Practices Working Group

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Need more data regarding methods and matrices

Do labs have data they are willing to share

Need labs willing to do some analyses

Conduct round robin study
What LOD methods closely match KF for these matrices

Dry pet food containing high starch
Semi-moist pet food and treats
Wet pet food
Dried meat sticks
Freeze dried products
Evaluate variables in AOAC 991.02 (KF in semi-moist pet food)

1) Solvent extraction time
   15 minutes
   30 minutes
   1 hour
   Overnight
   Other
Evaluate variables in AOAC 991.02 (KF in semi-moist pet food)

2) Test portion size vs volume of MeOH

Method calls for 8-10 g in 200 mL MeOH

Determine what test portion size and MeOH volume works for wet pet foods
Evaluate variables in AOAC 991.02 (KF in semi-moist pet food)

3) Thermal extraction followed by titration
   Temperature
   Time
What should be the appropriate KF method for wet pet foods

AOAC 991.02 (MeOH extraction)

AOAC 2001.12 (weigh test portion directly into titration vessel)

other
Move towards developing AOAC method(s) for pet food

Both LOD and KF methods

May need several methods depending upon matrix

Conduct a SLV or round robin study

Do a collaborative study
Questions?