

Update on GOOD Samples & GOOD Test Portions

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Beginning of GOOD Samples

- AAFCO 2012—FDA Cooperative Agreement: APHL/AFDO
- GOODSamples: Guidance on Obtaining Defensible Samples

GOOD Samples

Guidance on Obtaining Defensible Samples

Are you learning everything you can from your samples?

*Are your samples GOODSamples?
Improve your data confidence!*



Considerations for sampling procedures include

- determination of the sample quality criteria,
- determination of material properties and application of sampling theory.

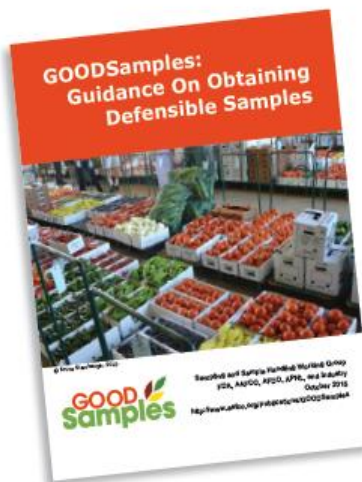
The resulting sampling protocol will specify

- minimum mass/volume needed,
- minimum number of increments,
- selection of increment location,
- sample integrity requirements,
- sampling tools and equipment,
- quality control.

GOODSamples leads to defensible measurement data and increased confidence in decisions.

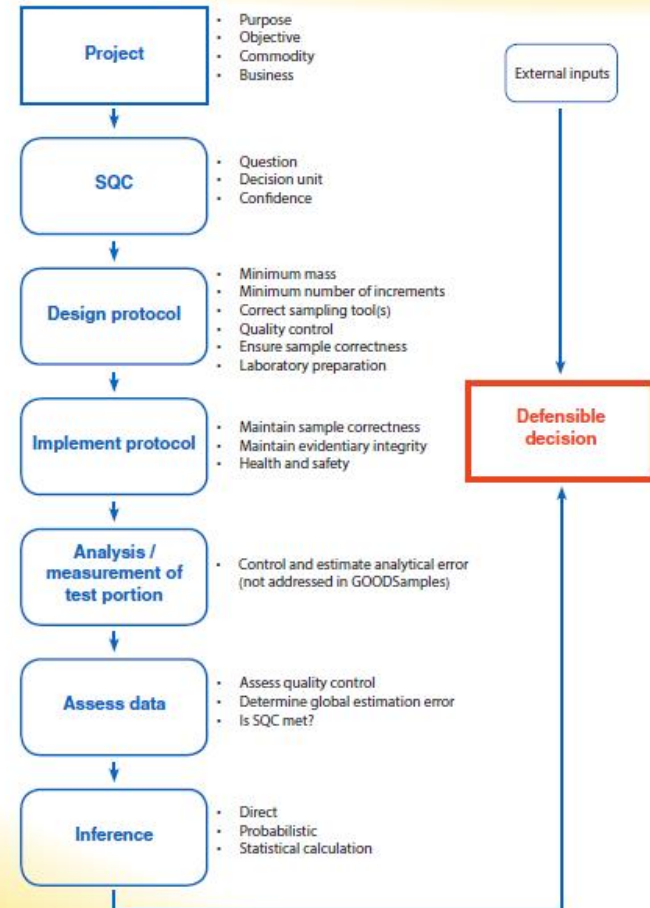
End with GOOD Decisions.

Download GOODSamples by using the QR code to the right or at <http://www.aafco.org/Publications/GOODSamples>



Start with GOODSamples.

GOODSamples outlines the scientific and systematic approach to ensure that analytical data generated as a result of a sampling process are representative of the decision unit and are defensible.



Flow chart for defensible decisions, an overview of the GOODSamples approach.

This work was developed by a working group established under Cooperative Agreement #U18FD004710-01 and composed of members of the Association of Public Health Laboratories (APHL), Association of Food and Drug Officials (AFDO), the Association of American Feed Control Officials (AAFCO), and industry. This project was 100% funded with federal funds from a federal program of \$1.3M.

Beginning of GOOD Samples

- AAFCO 2012—FDA Cooperative Agreement: APHL/AFDO
- GOODSamples: Guidance on Obtaining Defensible Samples
 - Scientific & systematic approach to ensure that analytical data is representative of decision unit & defensible
 - Evaluate different sources of error to find acceptable error associated with sampling to have defensible data
- <http://www.aafco.org/Publications/GOODSamples>

Beginning of GOOD Test Portions

- GOOD Samples was complete
- 2016 Working Group Formed: AAFCO, AAFPCO, State feed, APHL, & food lab representatives
- 1 week Minneapolis, 3 days in Mobile, rest in conference calls/webinar/email
- As of 01/29/18, sent for final review comments

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INTRODUCTION

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Beginning of GOOD Test Portions

- As of 01/29/18, sent for final review comments
- Approach similar to GOODSamples
- Focus on SQC, splitting, communitation, overall error estimations
- Approach for liquids, food, feed, fertilizer—generic
- Open source resource items:
 - <http://www.aafco.org/Laboratory>
 - Scroll down to “Laboratory Sampling Resources”
- Review is over
- Ready for purchase by Summer 2018 AACO Meeting

Next steps...

- AAFCO's Inspection & Sampling Committee WG
 - KY, NC, LA, IN, CA, CN
- Request For Proposals under development
 - Design sampling study & present findings
 - Study requirements will be given so that it's "Sampling" study vs. "Mixing" study
 - Sample types, probes, geared toward feed samples
- 2 Phases
 - Initial phase looking at microelements (eg. Cu, Zn) with current sampling techniques
 - Deciding next steps—either validating current or expanding options

Questions/Comments?

- Work developed by a working group established under Cooperative Agreement No. U18FD004710 and members are from APHL, AFDO, AAFCO.
- Project partially funded with federal funds from a federal program of \$1.5 million