



Certificate # AP – 2139

Date: **31 OCT 2021**

Scheme: <b>ANIMAL FEED</b>	Round: <b>202129</b>
Month: <b>SEPTEMBER 2021</b>	Matrix: <b>SOYBEAN MEAL</b>

Dear AAFCO PT Program Participants,

Thank you for your participation in the AAFCO Proficiency Testing Program. The final reports have been reviewed and authorized for release. The included reports are:

- Analyte Proficiency Testing Report \*
- Method Proficiency Testing Report
- Analyte Summary Report \*
- Method Performance & Summary Report
- Individual Participant's Methods & Analytes Report Cards

**\*PLEASE NOTE:**

Method Code 012.00 Starch by ISO 6493 (*Animal feeding stuffs – Determination of starch content – Polarimetric method, i.e. Ewers Method*) shows a significant high bias compared to all other Starch Methods. As stated in ISO 6493:2000 Scope, “*This method is not applicable to products which, besides starch, contain other substances which are optically active during the analysis and do not dissolve in 40% ethanol. Examples, of these products are potato chips, beet chips, beet leaves, beet tops, yeast, **soya products**, lupine and products rich in inulin (e.g. chicory roots and Jerusalem artichokes). In these cases, an enzymatic determination of the starch content may be used.*”

Polarimetry is an empirical method, measuring the change in the optical rotation of polarized light at 589.3 nm. Because the optical rotation change may be from any substance in the test portion, not only from starch, the Ewers Polarimetric Method should be used for well characterized products that do not contain interfering substances or analytes. **In summation, the Ewers Starch Method is not appropriate for this matrix. The reported results are not valid and have been removed from the data set for the Method/Analyte Group Code 012 on the Analyte Proficiency Testing Report and the Analyte Summary Report. The statistical analysis for Starch by Polarimetry (Ewers) may be found under Method/Analyte Group Code 912.**

The reports shall not be reproduced except in full, without written approval of the AAFCO PT Program. The full set of reports includes this Report Authorization Letter. The data and results

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reported in this document are the property of the participating laboratories and are confidential.

This PT Round was prepared, shipped, reported by participants, evaluated by statistical treatment for assigned consensus mean, robust standard deviation, and % Threshold RSD, graded (z-scores) and final reports issued.

Any concerns or errors should immediately be communicated to [pt@aafco.org](mailto:pt@aafco.org). A timely investigation will occur in accordance with the AAFCO PTP Quality Management System. You will be advised of the outcome. Errors made by the participant in data entry cannot be changed after the reporting deadline and such errors are not grounds for appeal.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Snodgrass".

Brenda Snodgrass  
Program Manager  
AAFCO Proficiency Testing Program