

Report of Committee on Uniform Methods and Cooperative Work

Fall Meeting, 1945

THE Uniform Methods Committee met in Chicago during the Fall Meeting of the Society, November 7, 8, and 9, 1945. Present were Messrs. L. B. Parsons, T. H. Hopper, J. T. R. Andrews, and the chairman. It was necessary at this time to pass only on the recommendations of the Soap Analysis Committee and the Refining Committee.

Inasmuch as the report prepared at Memphis and published in the September issue of Oil and Soap had not been approved by the Society, it was called to their attention, and specific reference was made to the recommendations contained therein. All of these were approved and the report accepted by the Society.

Soap Analysis Committee

The Soap Analysis Committee made the following recommendations:

I. Soap Containing Synthetic Detergents

The committee voted the official adoption of the methods for analyzing soaps containing synthetic detergents with the stipulation that the following revisions be made thereto:

Anhydrous Soap

1. Instead of weighing the fatty acids in the anhydrous soap determination, the fatty acids are to be titrated with alkali in the presence of alcohol, evaporated to dryness, and weighed as anhydrous soap. Because of the hygroscopic nature of this soap a caution is to be included in the method to cool in desiccator before weighing.

Fatty Matter

2. The present tentative method calls for evaporating the petroleum ether on the steam bath and dry the residue (fatty matter) in an oven at 100 to 105°C. to constant weight. This will be changed to read as follows: Evaporate on a steam bath until the odor of petroleum ether is no longer perceptible and then dry for ½ hour in an oven at 100 to 105°C.

Starch Factor

3. The committee voted to change the present factor of 0.9 which is used in converting dextrose to starch to 0.93.

II. The committee voted to move from tentative to official the Methods for the Determination of Free Alkali and Potassium Carbonate in Potash Paste Soaps.

The Uniform Methods Committee approves these recommendations except that in order to be consistent with all of our other methods which are now being rewritten it was suggested that instead of using the temperature 100 to 105°C., as shown under "Fatty Matter" that it be stated as 105°C. \pm 2°C. Upon motion, duly seconded, these recommendations were adopted by the Society.

Refining Committee

The Refining Committee recommended that in the refining of degummed soybean oils the same procedure be used as with extracted soybean, except that 12° Bé lye be used. One-tenth and two-tenths excess over theoretical amount required must be used. This recommendation was approved by the Uniform Methods Committee with the understanding that it will be clearly indicated that this is a tentative method only. Upon motion, duly seconded, this was likewise adopted by the Society.

The Fat Analysis Committee and the Glycerin Committee reported progress and suggestions for future work, which were approved but required no action by the Society.

V. C. Mehlenbacher is rewriting the methods of the Society. The modus operandi is to have the committees familiar with the sections that have been rewritten pass upon them first, after which they are submitted to the Uniform Methods Committee for approval. We are glad to state that up to the present time all of the sections which had been submitted to us have been found in good order and have been approved.

J. T. R. ANDREWS

J. J. GANUCHEAU

T. H. HOPPER

N. F. KRUSE

L. B. PARSONS

T. C. LAW

J. J. VOLLERTSEN, chairman.