
4.1.06 - Animal Feed / Animal Feed--General

AOAC Official Method 930.15
Loss on Drying (Moisture) for Feeds
(at 135°C for 2 Hours)
Dry Matter on Oven Drying for Feeds
(at 135°C for 2 Hours)

First Action 1930

Final Action

(Not to be used when fat determination is to be made on the test portion. The method is not applicable for feeds containing urea, high sugar contents, ensiled materials, milk products with sugar contents >4%, or feeds containing these products.)

Regulate air oven to $135 \pm 2^\circ\text{C}$. Using low, covered Al dishes, [934.01](#) (*see* 4.1.03), weigh ca 2 g test portion into each dish and shake until contents are evenly distributed. With covers removed, place dishes and covers in oven as quickly as possible and dry $2\text{ h} \pm 5\text{ min}$. Place covers on dishes and transfer to desiccator to cool. Weigh, and calculate loss in weight on drying (LOD) as estimate of H_2O .

Calculations

$$\% \text{ (w/w) LOD} = \frac{\% \text{ (w/w) moisture}}{100} =$$

$$\% \text{ Dry matter} = 100 - \% \text{ LOD}$$

References:

JAOAC **13**, 173(1930); **14**, 152(1931);
17, 178(1934); **18**, 80(1935).

Revised: March 1999