AOAC Official Method 934.01
Loss on Drying (Moisture) at 95–100°C for Feeds
Dry Matter on Oven Drying at 95–100°C for Feeds

First Action 1934
Final Action

Codex-Adopted—AOAC Method*

(This method is not applicable to feeds containing >5% urea.)

Dry test portion containing ca 2 g dry material to constant weight at 95°–100°C under pressure ≤100 mm Hg (ca 5 h). For feeds with high molasses content, use temperature ≤70°C and pressure ≤50 mm Hg. Use covered Al dish ≥50 mm diameter and 40 mm deep. Report loss on drying (LOD) as estimate of moisture content.

Calculations

\[
\% \text{ (w/w) LOD} = \% \text{ (w/w) moisture} = 100 \times \frac{\text{wt loss on drying, g}}{\text{wt test portion, g}}
\]

\[
\% \text{ Dry matter} = 100 - \% \text{ LOD}
\]

References: JAOAC 17, 68(1934); 51, 467(1968); 60, 322(1977).

Revised: March 1998

* Adopted as Codex Defined Method (Type I) for gravimetry in the loss of drying in special foods.