

4.1.03

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: *JAOC* **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.