

41.1.02

AOAC Official Method 926.12
Moisture and Volatile Matter
in Oils and Fats
Vacuum Oven Method
First Action 1926
Final Action

Soften sample, if necessary, by gentle heat, taking care not to melt it. When soft enough, mix thoroughly with effective mechanical mixer.

Weigh 5 ± 0.2 g prepared test sample into Al moisture dish ca 5 cm diameter and 2 cm deep with tight-fit slip-over cover. Dry to constant weight in vacuum oven at uniform temperature 20–25°C above bp of H₂O at working pressure, which should be ≤ 100 mm Hg (13.3 kPa). Cool in efficient desiccator 30 min and weigh. Constant weight is attained when successive 1 h drying periods show additional loss of $\leq 0.05\%$. Report % loss in weight as moisture and volatile matter.

References: *Ind. Eng. Chem.* **18**, 1347(1926).

JAOAC **14**, 247(1931); **15**, 560(1932).