



Technical Datasheet

Analysis Name: Determination of Moisture and Total Solids

Method Number: NQA-50.011

Scope of Application: Moisture and total solids determination in dry, liquid or moist products, and some raw materials. Not applicable to oil. Gum-based samples can only be analyzed using a customer-supplied method that would not fall within our accreditation scope.

Description: Drying in a vacuum or air oven under the conditions prescribed in the product method: test portion, drying time, and temperature. For certain products, preliminary pre-drying of the product with (or without) sand or celite is required. Total solids is the gravimetric determination of the residue weight loss after drying the product under the prescribed temperature and time conditions. Moisture is obtained by subtracting the percent solids from 100.

Sample Weight Required: 25 g

Method Reference: AOAC 925.09
AOAC 926.08

Analytical Platform: Gravimetric

Special Information: NQA-50.011 is an 'umbrella' method. Actual reference method used (per matrix) will be reported on the certificate of analysis.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Moisture		g/100 g (%)	0.05	%Moisture<2, iR=0.40g/100g ABS; 2≥%Moisture<5, iR=10% RSD; 5≥%Moisture<10, iR=5% RSD; 10≥%Moisture<20, iR=2%RSD; %Moisture≥20, iR=1%RSD



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Total Solids		g/100 g (%)	0.05	%Moisture<2, iR=0.40g/100g ABS; 2≥%Total Solids<5, iR=10% RSD; 5≥%Total Solids<10, iR=5% RSD; 10≥%Total Solids<20, iR=2%RSD; %Total Solids≥20, iR=1%RSD