



ELECTRONIC BALANCES AND SCALES

SUBSTANCE – SYNTHETIC STARCH

Below information on determination of humidity content for above specified substance is a supplement of traditional drying method. RADWAG technical support department hopes, that this datasheet will be helpful for the tests performed with application of RADWAG moisture analyzers.

DRYING PARAMETERS – TRADITIONAL METHOD

Substance description:	Synthetic starch
Reference /traditional/ method parameters:	105 °C / 4 hours.
Dry mass content determined with traditional method:	12,16 %
Standard deviation:	0,033 %



DRYING PARAMETERS - MOISTURE ANALYZER SERIES MAC 50

Equipment necessary for drying process	Disposable aluminum pans
Sample preparation	Place a thin layer over all pan surface
Sample size	~ 2 g
Drying profile	Standard
Drying temperature	125 °C
Auto switch-off criterion	Automatic 3 [Auto 1 - 1mg/10sek; Auto 2 - 1mg/25sek; Auto 3 - 1mg/60sek; Auto 4 - 1mg/90sek; Auto 5 - 1mg/120sek]
Average measurement time	~ 14 minutes
Determined dry mass content /average value/	12,13 %
Standard deviation	0,068 %

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