



## ELECTRONIC BALANCES AND SCALES

### SUBSTANCE – GRASS SILAGE

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:	Grass silage
Reference /traditional/ method parameters:	105 °C / 3 hours.
Humidity determined with traditional method:	37,72 % (average from 5 measurements)



#### DRYING PARAMETERS - MOISTURE ANALYZER SERIES MAC 50

Equipment necessary for drying process	Disposable aluminum pans, grinder for sample grinding
Sample preparation	Spread sample evenly on all pan surface, (cut long sample components into smaller pieces, and place then evenly on pan surface)
Sample size	~ 2,5 - 3 g
Drying profile	Standard
Drying temperature	135 °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	~ 20 minutes
Determined humidity content /average value/	36,597 %
Standard deviation	0,256 %

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