



ELECTRONIC BALANCES AND SCALES

SUBSTANCE – SAWDUST

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:	Coniferous and deciduous tree sawdust (seasoned and not seasoned)		
Reference /traditional/ method parameters:	105 °C / 3 hours.		
			Standard deviation
Humidity determined with traditional method:	1.	Sawdust of non-seasoned wood	58,36 % S=0,0003 %
	2.	Sawdust of wood seasoned for 4 months	45,60 % S=0,0024 %
	3.	Sawdust of dry wood	10,34 % S=0,0045 %

DRYING PARAMETERS - MOISTURE ANALYZER SERIES MAC 50

Equipment necessary for drying process	Disposable aluminum pans		
Sample preparation	Spread sample evenly on all pan surface		
Sample size	1 - 2 g		
Drying profile	Standard		
Drying temperature	115 °C		
Auto switch-off criterion	Automatic 2 [Auto 1 - 1mg/10sec; Auto 2 - 1mg/25sec; Auto 3 - 1mg/60sec; Auto 4 - 1mg/90sec; Auto 5 - 1mg/120sec]		
Average measurement time	~ 2 – 5 minutes depending on sample kind		
Determined humidity content /average value/	1.	57,30 %	S=0,202 %
	2.	45,65 %	S=0,215 %
	3.	10,59 %	S=0,04 %

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