



ELECTRONIC BALANCES AND SCALES

SUBSTANCE - BENTONITE

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: | BENTONITE |
| Reference /traditional/ method parameters: | 105 °C / 4 hours. |
| Humidity determined with traditional method: | 11,61 % |
| Standard deviation: | 0,012 % |

DRYING PARAMETERS - MOISTURE ANALZYER SERIES MAC 50

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|---|--|
| Equipment necessary for drying process | Disposable aluminum pans |
| Sample preparation | Spread thin layer of sample evenly on all pan surface |
| Sample size | ~ 2,5 g |
| Drying profile | Standard |
| Drying temperature | 120 °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 | ~ 5 min |
| Determined humidity content /average value/ | 11,55% |
| Standard deviation | 0,099 % |

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