

| |
|-------------------------|
| moisture content |
|-------------------------|

name: _____

date: _____

TEMPERATURE

| | | | |
|-------------------|---|-----|----|
| T_{OVEN} | = | 105 | °C |
| | = | 221 | °F |

$$x^{\circ}\text{C} = (1,8 * x + 32)^{\circ}\text{F}$$

TIME FRAME

| | | |
|------|---|---|
| time | = | h |
|------|---|---|

(general rule: 24h, exact until m_{DRY} is constant)

| heap | m_{TARE} | m_{WET} | m_{DRY} | m_{WATER} | nett m_{WET} | MC |
|------|-------------------|------------------|------------------|--------------------|-----------------------|--------|
| [-] | [g] | [g] | [g] | [g] | [g] | [% WS] |
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$$m_{\text{WATER}} = m_{\text{WET}} - m_{\text{DRY}}$$

$$\text{nett } m_{\text{WET}} = m_{\text{WET}} - m_{\text{TARE}}$$

$$\text{MC} = \frac{m_{\text{WATER}}}{\text{nett } m_{\text{WET}}} * 100\%$$

moisture content

name: Hans Mustermann

date: 21st January 2004



TEMPERATURE

 $T_{\text{OVEN}} = 105 \text{ }^{\circ}\text{C}$
 $= 221 \text{ }^{\circ}\text{F}$

$$x^{\circ}\text{C} = (1,8 * x + 32)^{\circ}\text{F}$$

TIME FRAME

time = 24 h
(general rule: 24h, exact until m_{DRY} is constant)

| heap | m_{TARE} | m_{WET} | m_{DRY} | m_{WATER} | nett m_{WET} | MC |
|----------|-------------------|------------------|------------------|--|---|--------|
| [-] | [g] | [g] | [g] | [g] | [g] | [% WS] |
| | Step 1 | Step 2 | Step 3 |  |  | |
| Heap 8-9 | 12,18 | 26,86 | 15,48 | 11,38 | 14,68 | 77,520 |
| Heap 10 | 10,83 | 24,20 | 13,95 | 10,25 | 13,37 | 76,664 |
| Heap 11 | 12,73 | 27,36 | 16,26 | 11,10 | 14,63 | 75,871 |
| Heap 12 | 11,77 | 29,39 | 16,38 | 13,01 | 17,62 | 73,837 |
| Heap 13 | 11,85 | 24,99 | 15,34 | 9,65 | 13,14 | 73,440 |
| Heap 14 | 12,90 | 21,34 | 15,81 | 5,53 | 8,44 | 65,521 |
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$$m_{\text{WATER}} = m_{\text{WET}} - m_{\text{DRY}}$$

$$\text{nett } m_{\text{WET}} = m_{\text{WET}} - m_{\text{TARE}}$$

$$\text{MC} = \frac{m_{\text{WATER}}}{\text{nett } m_{\text{WET}}} * 100\%$$

date: _____

$$x^{\circ}C = (1,8 * x + 32)^{\circ}F$$
$$\frac{\text{time}}{(\text{general rule: 24h, exact until } m_{\text{DRY}} \text{ is constant})} = h$$
[illegible]