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Bromodersale -> 20

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Henn Bo' hvol genny Rechment

f the Oscillation of the romate-System

Alle 2x Xwx

used:

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204 g ca. 96% H₂SO₄/500 ml 25 g KBrO₃/500 ml

4 M Malic acid

134 g DL Malic acid/250 ml

0,1 M MnSO₄

1,69 g Mn SO₄·H₂O/100ml

0,025 M ferroin-solution commercial preparate (= Tri-1,10-phenanthroline ferrous sulfate)

Oscillation Test

In a 250 ml volumetric flates flask 50 ml H₂SO₄-solution 50 ml KBrO₄-solution 30 ml malic acid solution

Mix with glass rod and add 1,5 ml MnSO4-solution

Mix

The system begins to oscillate.

1-2 minutes after addition of MmSO4

1 ml ferroin-solution add to the mixture, short mix.

The colur changes quickly from red to blue and from blue to red. After 20 minutes the oscillation can once more stimulated through addition of

50 ml KBrO3-solution

Then the system oscillates up to 30 minutes.