

Vienna – Fruits and vegetables



Separation of the chlorophyll solution's components with paper chromatography

Materials and tools:

One bouquet of parsley or celery leaves, one little spoon of sand, 25cm³ 96% ethanol, mortar, Pasteur-pipette, glass funnel, beaker, Erlenmeyer-flask, filter paper, Petri dish

The process of the experiment:

First, we tear the leaves to small pieces, and crush them in the mortar until we get a paste. We can add a small spoonful of sand to make the grinding process more efficient. After this we dissolve the leaf paste in ethanol. Add 20cm³ ethanol in small sections. Then we filter it through an appropriately folded filter paper. We have already put a filter paper on a Petri dish. We put one drop from the alcoholic solution in the center of the filter paper. Be careful with the dripping and add one more drop only when the previous one is dried!

