

1. Scrape out your extract into a small (e.g. 7 cm<sup>3</sup>) vial.
2. Scrape out your extract into a Pasteur pipette containing some silica.
3. Add 1-2 cm<sup>3</sup> of 5% ethyl acetate/hexane to your extract, swirl the contents, and decant the solution to a small (e.g. 7 cm<sup>3</sup>) vial.

4. Add 1-2 cm<sup>3</sup> of 5% ethyl acetate/hexane to your extract, swirl and warm the contents, and decant the solution to a small (e.g. 7 cm<sup>3</sup>) vial.
  
5. Repeat the initial removal of the desired chemicals from the chewing gum extract once more, combining the solutions together in the vial.

6. Repeat the initial removal of the desired chemicals from the chewing gum extract twice more, combining the solutions together in the vial.
  
7. Place a cap on the vial and shake the contents until they all dissolve.
  
8. Place a cap on the vial, shake the contents for a few minutes and allow any solid material to settle to the bottom of the vial.

9. Decant the solution from the vial into a Pasteur pipette containing a small plug of cotton wool and 1-2 cm of silica.

10. Rinse the contents of a Pasteur pipette containing a small plug of cotton wool and 1-2 cm of silica using 5% ethyl acetate/hexane, ensuring that the solvent level is maintained just above the surface of the silica. Decant the solution from the vial into your Pasteur pipette.

11. Collect the eluent from the silica column in a round-bottomed flask.

12. Collect the eluent from the silica column in a pre-weighed round-bottomed flask.

13. Collect the eluent from the silica column in a 7 cm<sup>3</sup> vial.

14. Collect the eluent from the silica column in a pre-weighed 7 cm<sup>3</sup> vial.

15. Remove the solvent using a rotary evaporator and make a note of the smell of your extract.

16. Remove the solvent using a slow stream of N<sub>2</sub> gas blowing over the surface of the solution and make a note of the smell of your extract.

17. Determine the mass of the purified extract.

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