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Lab Report: Can Gummy Bears be used as Rocket Fuel?

We've all heard something about Rocket fuel at least once in our life, rocket fuel this rocket fuel that, or how hard it can be obtained, but have you ever thought about gummy being used as rocket fuel? It sounds crazy to me but Rocthat's what we'll find out.

Abstract: This experiment aims to test whether or not the everyday candy, gummy bears, can be used as rocket fuel.

Hypothesis: I believe that the gummy bears will be successful in being used as rocket fuel to propel the rocket.

Gummy bears are one of the most popular types of candy in the world and today we will attempt to use them as a fuel source for a small rocket to see if it can really be used as an alternative to normal rocket fuel.

Materials

- Rocket motor(basically a custom-an small rocket)
- Rocket motor is made with solid fuel, oxidizer, binder
- Gummy bears
- Microwave
- Some sort of blender/grinder

Process

- Melt the gummy bears in a microwave then let it cool down
- Once it has cooled down you need to turn the melted gummy bears into a powder by breaking it up and putting it into a blender/coffee grinder
- Send it over to rocket scientists in order to turn it into a solid rocket propellant.

The gummy bears were indeed able to be used as rocket fuel as it did succeed in propelling the rocket with no problems and was flawless. However, it was just a small rocket so it can't really be said that it would work for many bigger-sized rockets. This backs my hypothesis because it actually worked.

References:

- https://www.youtube.com/watch?v=fXf9-2JM7IM&ab_channel=Discovery
- MythBusters