CHEMISTRY PROJECTS FOR CLASS 12

(DETERMINATION OF THE CONTENTS OF Soft Drink)-5TH PART

GANESH KUMAR DATE:- 25/02/2021

TEST FOR SUCROSE

Experiment:

Small samples of cold drinks of different brands were taken in separate china dish and were strongly heated until changed occurred. Black colored residue left confirmed the presence of sucrose in the taken samples.

Observation:

Sl No.	Name of drink	Observation	Conclusion
1	Coca Cola	Black residue	Sucrose present
2	Sprite	Black residue	Sucrose present
3	Limca	Black residue	Sucrose Present
4	Fanta	Black residue	Sucrose present

Inference:- All cold drinks contain sucrose fanta contains it in higher amount.

RESULT

After conducting several tests it was concluded that different brands of cold drinks namely

i. Coca Cola
ii. Sprite
iii. Limca
iv. Fanta

All contain glucose sucrose alcohol, phosphate and carbon Dioxide all of them are acidic in nature.

On comparison we found out that coca cola is most acidic and limca is least acidic amongst all the four brands taken,. Sprite had highest amount of CO_2 dissolved while Fanta had the least.

CONCLUSION

Disadvantages of Cold Drinks:

- Soft drinks are a little more harmful than sugar solution as they contain sugar in large amount which causes problem for diabetic patients.
- They contain weight gain.
- They contain phosphoric acid which has a pH value of 2.8 which is enough to dissolve a nail in about four days.
- Soft drinks have the ability to remove blood so they are very harmful to body.

Uses of Cold Drinks:

- Cold drinks can be used as toilet cleaners.
- They can remove rust spots from chrome car hampers
- They can lose a rust bolt
- They can clean corrosion from car battery terminals.

BIBLIOGRAPHY

Followings books and websites were a source for my project:

1. Laboratory Manual of Chemistry
2. Dinesh Companion Chemistry

Websites used:

https:// www.google.com

Https: // www.wikipedia.com

https:// www.unoregon.edu

TEACHER'S SIGNATURE……..

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