

PHYSICAL & CHEMICAL EVALUATION OF BLACK CATECHU

Practical -29

Date: .../.../.....

PHYSICAL AND CHEMICAL EVALUATION OF BLACK CATECHU**Aim:** To perform the physical and chemical tests for evaluation of Black Catechu.**Reference:**.....
.....**Requirements:**.....**Synonym:** Cutch, black catechu, katha.**Biological Source:** It is the dried aqueous extract prepared from the heartwood of **Acacia catechu**.**Family:** Leguminosae**Physical Characteristics:**

S. No.	Physical Character	Observation
1.	Colour	
2.	Odour	
3.	Taste	
4.	Shape	
5.	Size	
6.	Tears	
7.	Mass	
8.	Solubility	
9.	Extra features	

Chemical tests/Identification tests:

S. No	Test	Observations
1.	Black catechu with vanillin and HCl.	
2.	Catechin when treated with HCl. (match stick dipped in HCl and heated near the flame.)	
3.	Lime water when added to aqueous extract of black catechu.	
4.	Ferric ammonium sulphate is added to dilute solution of black catechu. By the addition of sodium hydroxide.	

Precautions:

1. Avoid direct contact with any hazardous chemical.
2. Do not mouth pipette.

Uses:

- It is used in medicine as astringent.
- It cures troubles of mouth, diseases of the throat and diarrhoea. It also increases appetite.
- In India and eastern countries, it is used in betel leaves for chewing.

Report: From the above Physical characters and chemical test the given crude drug was identified as

_____.

Questions Bank

1. What is the taste of Black Catechu?
2. Write the biological source of Black Catechu.
3. What are the uses of Black Catechu?
4. Write a note on solubility of Black Catechu.
5. What happen when Black Catechu treated with HCl?
6. Write the four difference between Pale Catechu and Black Catechu.
7. What happen when Lime water when added to aqueous extract of black catechu.
8. Write the two-physical difference between Pale Catechu and Black Catechu.
9. Write the chemical constituent difference between Pale Catechu and Black Catechu.
10. Paste the one marketed preparation of Black Catechu.