

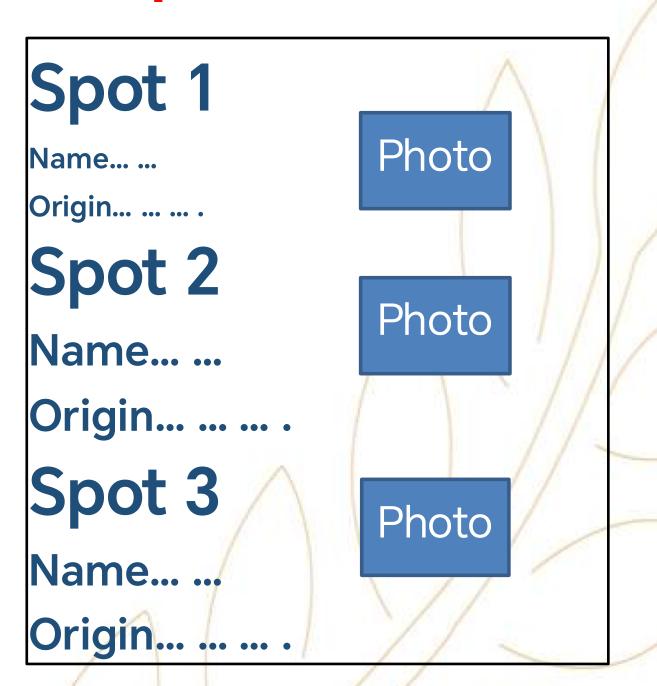
# Faculty of Pharmacy

### Practical exam I

### I. Powder Identificationc

```
Physical characters:
Cond....
Color...
Odor...
Taste... ..
Microscopically examination:
Mount in water... ...
Mount in KOH... ... ...
Mount in phlourogucinol +HCL
Comment... ... ... ... ... ... ... ...
Diagnostic element (3 key elements):
Name... ... ...
Origin ... ... ... ... ...
Uses... ... ... ...
```

### II. Spots

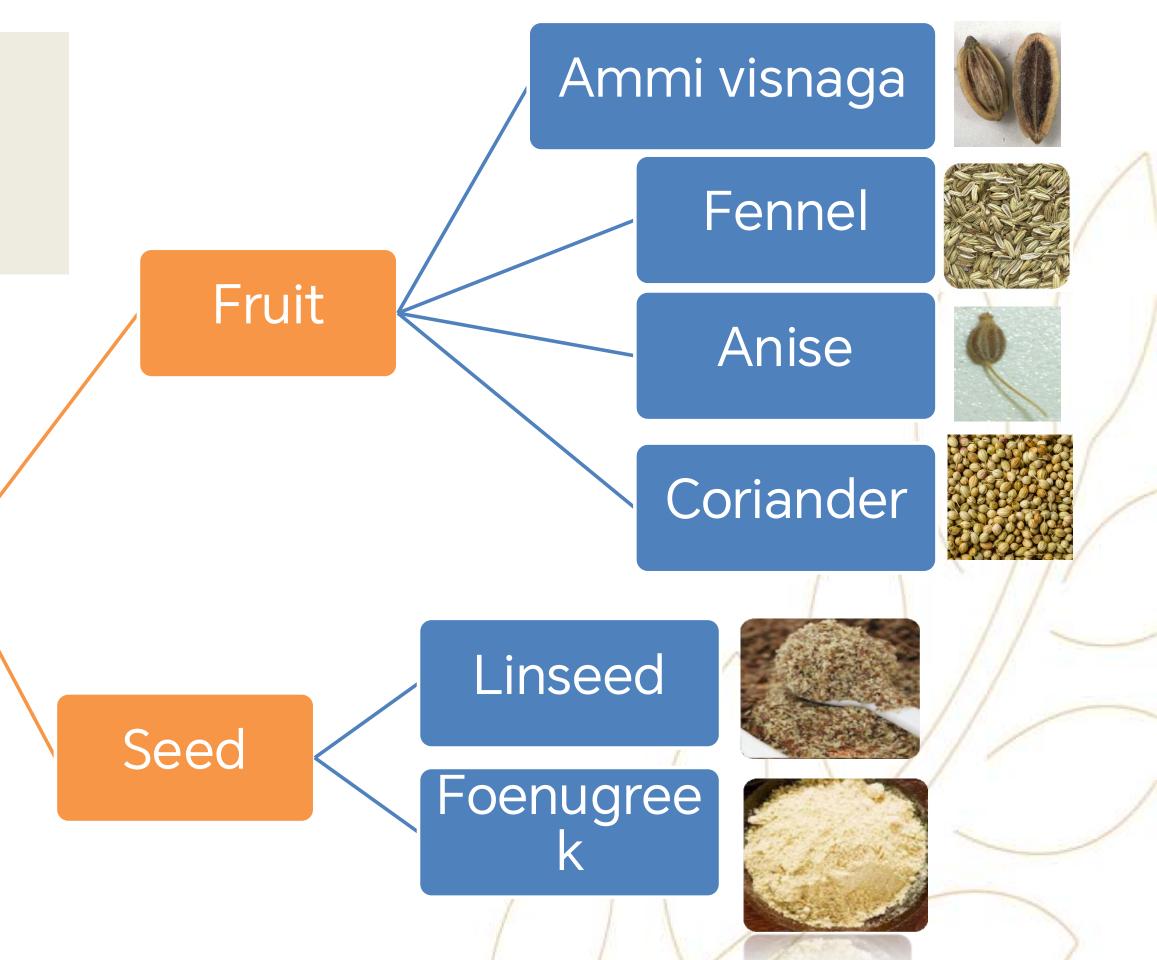


# I. Powder Identification



# Unknown Powder

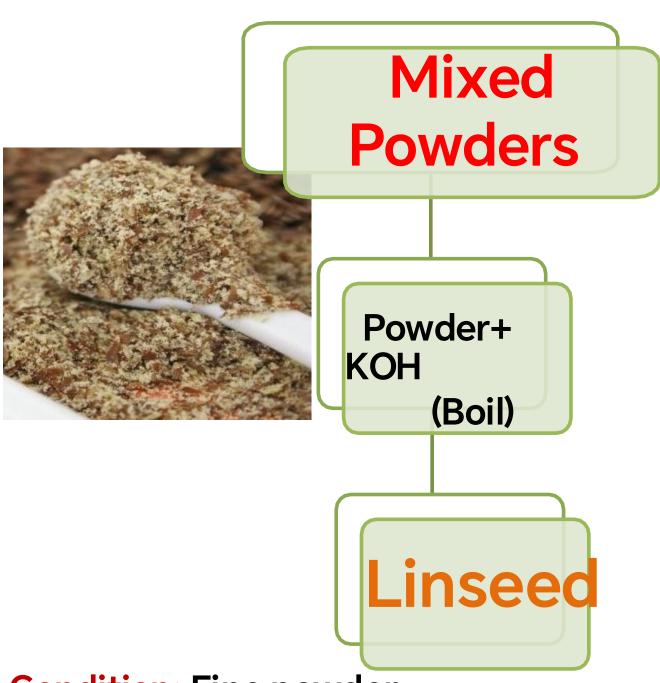
Powder



### I. SCHEME FOR POWDER







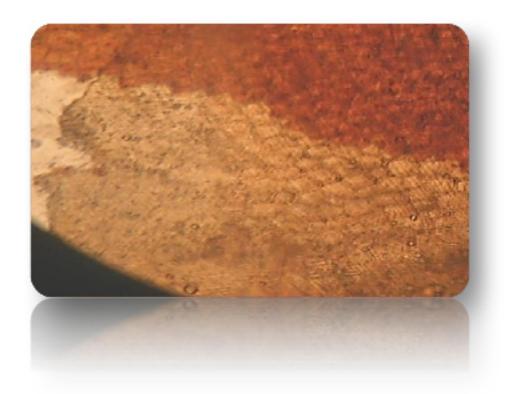
**Condition:** Fine powder

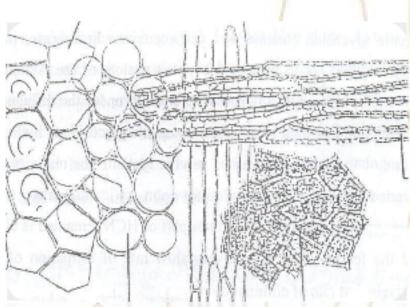
**Color:**Yellowish brown with dark particles

**Odor:** Oily characteristic odor of linseed

**Taste:** Mucilaginous oily

 Mat like structure: "Sclerides (narrow elongated cell with thick lignified pitted wall) overlapped with hypodermis".







### **Powder:**

Condition: Fine powder

Colour: Yellowish buff

**Odour: Characteristic odour** 

**Taste: Mucilagenous slightly** 

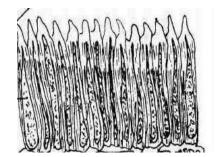
bitter

Powder+ KOH(Boil)

under the microscope

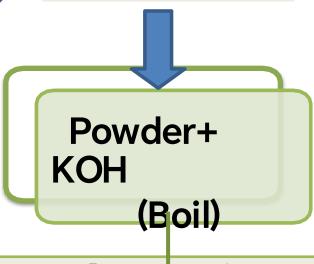


 Palisade-like epidermal cells



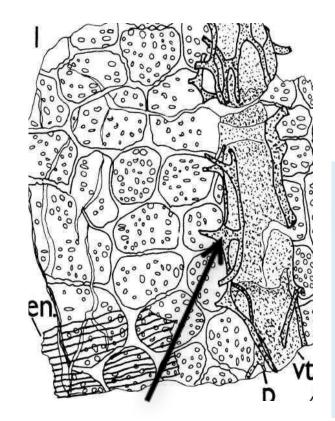
Foenugree k

### Khelline test



**Red color** 

under the microscope

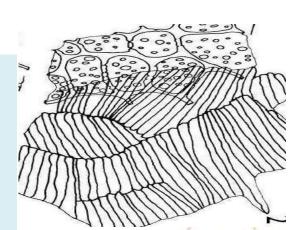


Club shaped vittea with radiating cells

- Inner most layer of mesocarp
- Parquetory endocarp
- Club shape vittea

Ammi-visna

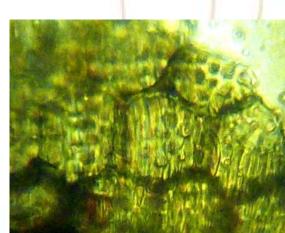


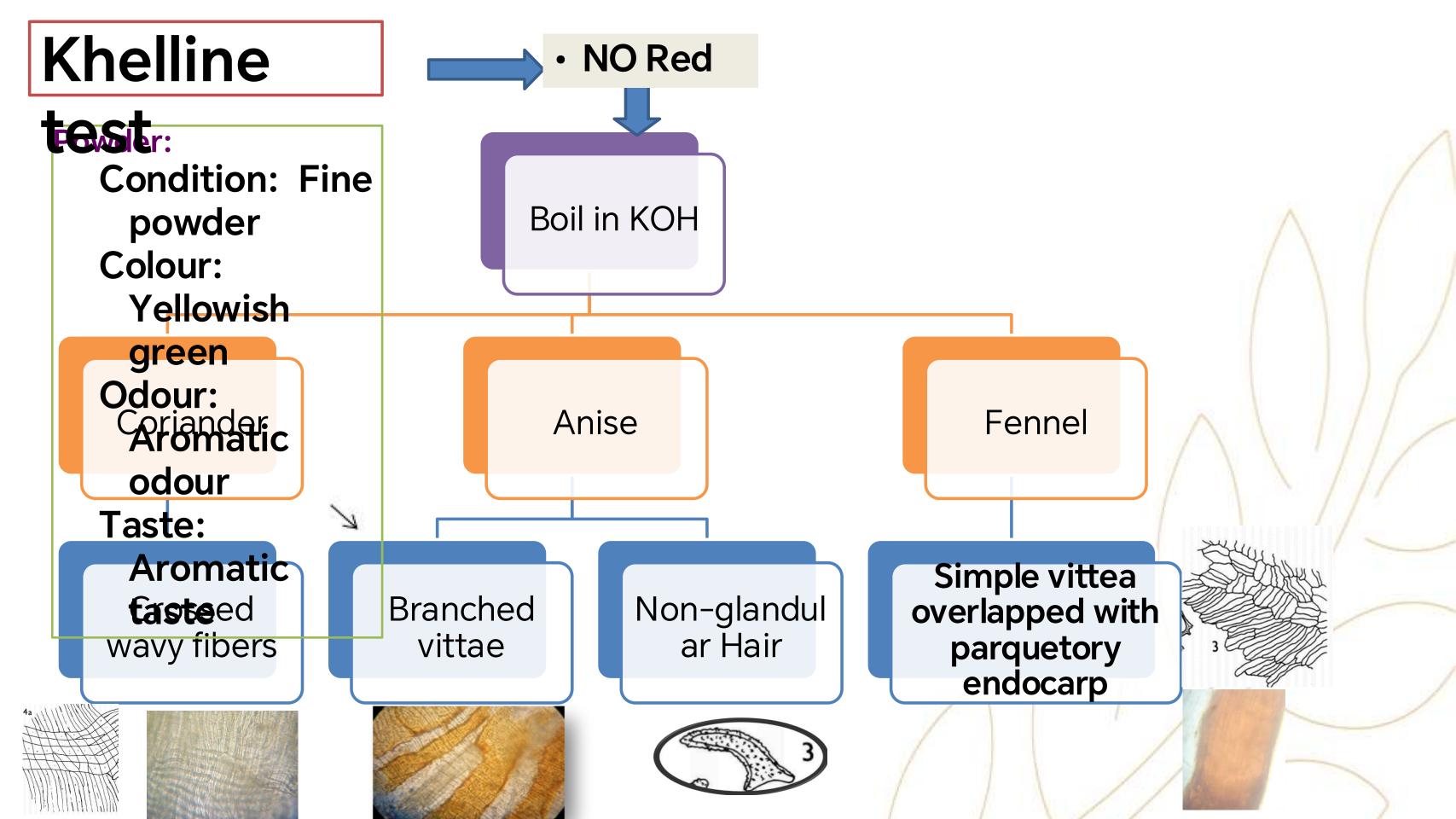




Condition: Fine powder Colour: Brownish green Odour: Aromatic odour

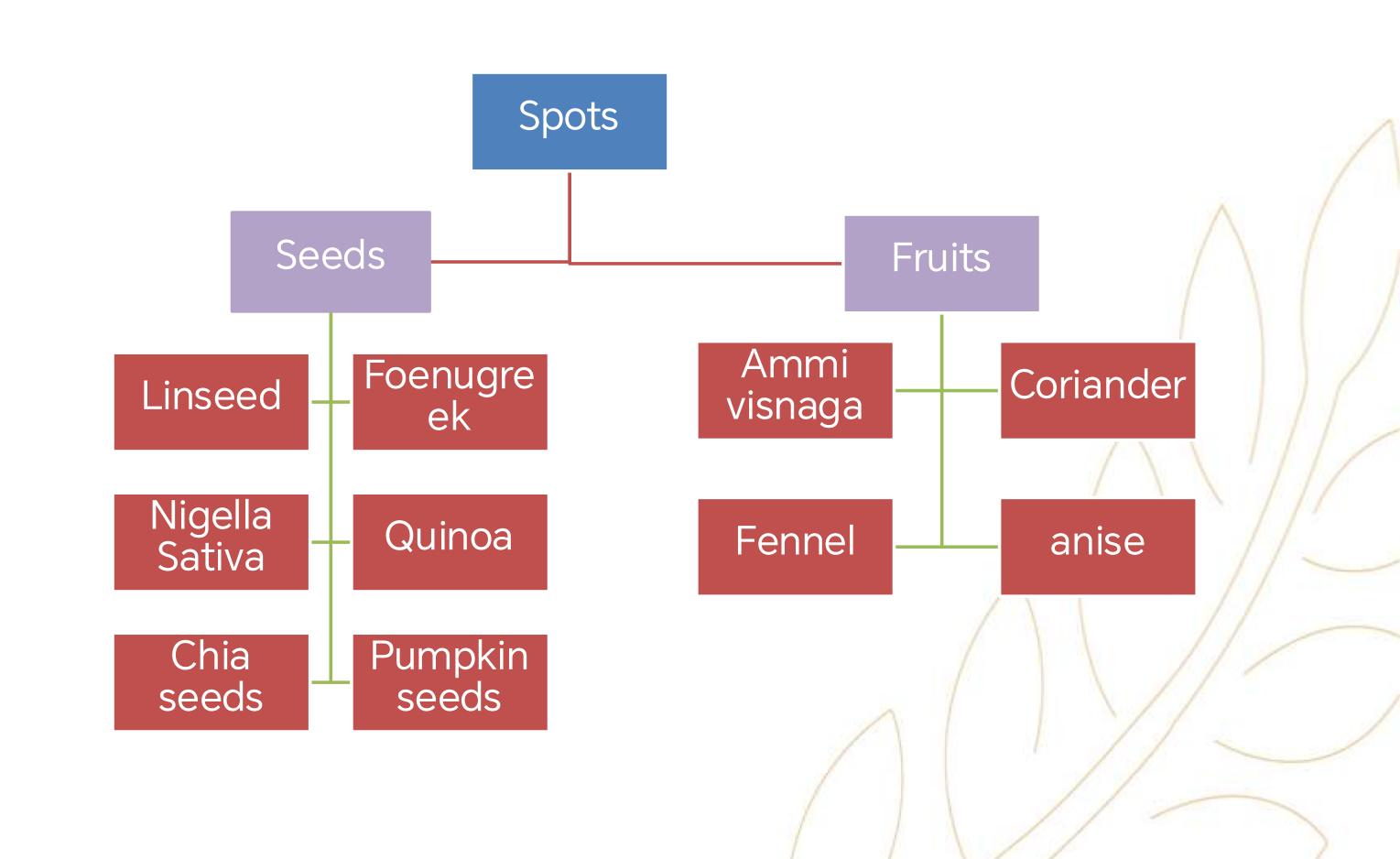
Taste: Bitter taste





## Spots





Linsee d



It is the dried ripe seeds of *Linum* usitatisimum Family: Linaceae.

### Foenugreek



Dried ripe seeds of *Trigonella*Foenum-graecum Family Leguminosae.

### Quinoa



Dried ripe seeds of Chenopodium qunioa, a

flowering plant in the Family

### Chia



Dried ripe seeds of Salvia hispanica, a flowering plant in the Family "Lamiaceae"

### Pumpkin



Dried ripe seeds of Cucurbita pepo, Family "Cucurbitaceae"

### Nigella sativa



Dried ripe seeds of *Nigella sativa*; Family "Ranunculaceae"

### Coriander



It is the dried ripe fruits of Coriandrum sativum family Apiaceae.

### Fennel



It is the dried ripe fruits of *Foeniculum vulgare* Family Apiaceae (Umbelliferae).

### Anise



It is the dried fruits of *Pimpinella anisum* FamilyApiaceae.

### Ammi visnaga



It is τne dried ripe fruit of *Ammi* visnaga Family Apiaceae



### Thank You!

### THE FIRST BRITISH HIGHER EDUCATION IN EGYPT

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