PHarmoceutical saids

inext as have title therapeutic value but are used in manufacturing or compounding of various pharmaceutical desages domo such as Lablet, capable, syrup, etc.

narious sources which are obtained strom minerals cond purely synthetic exigin.

Phoromaccutical soids some classified as

- 1. Diluent: Cinnamen auster, Peppermint auster.
 Blucase, Lactose.
- disintegrating agents: Starch, Microcogstalline Cellulose, Psyllium husk.
- 3. Emulsiquing agents & suspending agents => Acacia Agar, Tragaconth, Geldin, Sodium alginate Guargum.
- 4. Flavouring agents = Carodomem, clove, Fernel Cirnamen.
- 3. Lubricants: Cassa butter, Castor oil, Talc
- 6 Sweetering agents: Bycyrothiza, Honey.

- 7. Olintment pases: Boes Max, Landin
- 8. Colour = Cochineal, Carramel, Turmeria.
 Soffren, Chlorophyll Indigo
- 2. Adsorbents: Kaolin, Pectin
- 10. Vehides Asachis oil Olive oil.

Honey or Mel

Biological source = Honey is a social sub. deposited by itil been, Apio melligica Linn & other Specie of Apis. It is in members of Apidae time ions order Hymenoptera.

Morphology: Honey is a thick clear - syrupy liquid. It is well-Josée. The oclaws depends on the type & flower nectors used in its preparation,

Chemical constituents. Pener consists schedy a mixture of ideschool & list relach vilamino arist dendrain (-06-1-24 Proteins -

Pollen grains enzymes

+ volatile

Scanned by TapScanner

theorement to contain the desired of court of co

ARACHIS CIL OF FENUT OIL

didegicl essurce draction oil is obtained by expression of seeds kernels of draction typegaca linn. This is a member of papiliansideae (leguminesae) damily.

Morphology: Arachis oil is a pale wellow to appending oil containing nutry odour and blood taste. It low temperatures, about are goomed in the oil or expressure to air the oil becomes rancial. The oil is generally soluble in organic volvents

Chemical constituents:

L alyeonides of goty acid lineleic anachidic

palmitic deic & steanic cacid)

Connetensial pigments like & consetenc & lideir

seed analain -> fretein, storech, moder, thaimine

Cholesterel, B site sterel, stigmostorel, B-sitestand

Leadble ad
Leadword the state of the separation of the Lead and and and remove volunteers.
Lead albert and and remove volunteers the Lead are continued in resident about the separation of the separation of the paids of the pai

STARCH

Dislogical course. Stanch of interactions we consider of inducerus some obtained grow maism maism of sociology.

(1) Moire, Zea mayo

(2) Wheat, Faitisum costivum

(3) Rice, Coyza codiva

(4) Coots, Avena votivo

these epidenes and some member of a family Corrominence. Starch is valor established them. I someth to start the start of the start of

Monthology: istanch in dound in isocopular:

something on the mouse of in them of the particle in isolation with the interpretation of control sound and sports on collection is control and sports on collection is control.

Vorsicty	Size (um)	Fean	Hillum & stration
1. wheat	2.45	smaller granules	Hillum centrolly
		shirks rapidalps som	D, Seldom
		Langer granules	cleft
		core lerticular	
a. Potato	3-110	Simple goranules	Hillum in the
		hatchet, medge er	down ed ou
		numel shaped	ent too briog
			norsemer &
			of the opposite
			d'excentric
2.0.	^ '-	01111	1.1.
ryce	2-10	1 Chroman rimin	Hillum minute
		sharp angles	Centrally pointed
		Compound javanules	SE COURS
9. Maize	5-25	Polyhedrad with	Hilum-twansul
1110000		Solunt cangles or	- Jan distinct
		rounded	& centrally
			Pointed
Chemical constituents:			Allandi
	1		amylopedin
	L Starch -	, Polysacchanides	
			1 complose
A. J. A. M amadituant			
Amylopectin- It is the main constituent of most of the staroche (80%) & &			
	in order conta	of granules it is	in which is
	motes from	of Bernan	- ca work wi

Amylose: Most storches contain dor sur, established straight chained stur, with & D in inner good of the granules of the soluble in water Use - mild astraingert nutritive - demulcent L'absorbent - Externally use skin emollient . absorbert L'adusting pourdons used as an articlate in the tocatment of jodine paisaning also use as a table disintegrating capent & alluent

Olive Oil [Golort Oil)

Biological source. Olive oil us a gereal of obtained by expression of the sipe of with of alea europeea Linn. This is a member of aleaceae gamily.

Morphology: Janalin is a gale yellow tenacious, mass having characteristic odous, & pland taste. It is insoluble in cuater but sol. in chlorogorm & others.

Chemical constituents => The main constituents of
unad glat case chalesteral
a isochalesteral, campubic, lanopalmitic, oleic
a other glatly acid.

& other states acid.

He also contains aliphatic calcohols such as cetyl, cosyl & carnautyl alcohols

Uses: Landin is used as obserption cintment base. It is a common ingredient used as an emollient base in sintments a common preparations.

Biological source: Beeomarc is separated shoom the honey camb of the hive bee Apis mellifica and other species of Apis by punification. The him bee is the member of Apidae spanily.

Morphology => Bees wax is a yellow to yellow brown or white soft photic soin mars. It contains honey like colour . It breaks with granular gracture. It insolute in water but sol in chloroform, cambon tetrachloride benzene, ether, carbon - disulphide, hot alsohol & volatile oils.

Chemical contituents => Bees mainly contion mysicin contion mysicin mysicin (mysicy) palmitate J-86% spee constite acid a small quantity of melissy/ sterate, melissic acid, hydrocarbons, higher inlosheds a coroleine.

Mose Boes - marc is used in the spreparent on of cosmetics suppository bases, cintral conscious, molding of antiquicial species.