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Senna Pods are the fruit from the Senna Plant *Cassia Deile* from the family *Fabaceae Leguminaceae*

2 Virtual Description

Senna Fruit are horny, compact, large, flat and thin in shape, it has green to yellowish green color about 3.5-6.0 long and 1.4-1.8 broad. The pods contain 5-10 oval, flat green to yellowish green peas with protrusion connected to the seed shell.

3 Microscopic Description

Epicarp contains stem cells with an equal diameter that sometimes have multiple stomata and help cells and very few monoclonal cells Capillaries. Hypodermis contain parenchymatous cells. Mesocarp that contains parenchymatous texture that contains calcicumoxalate prisms. Epicarp contains thick fiber walls often palisade to the longitudinal axis of the fruit, however, the Epicarps are tilted or parallel to the longitudinal axis of the fruit, There are Hypodermis that made up of palisade cells with thik walls. The Endosperm has multi-surface cells and has gummy walls



4 Measurement Requirements



5 Health Conditions

1. The Senna Pods must be free of agglomeration and moulds.
2. The Senna pods must be free of Exotic colors and off-odors
3. Senna Pods must be entirely free of living and dead insects, their parts and the remains of rodents
4. The Senna Pods must be free of fungus and of E. coli and Salmonella
5. The Senna Pods must free of pesticide residues, fertilizers and harmful chemicals
6. The Senna pods must be free of poluting substances and toxins such as aflatoxin
7. The Senna Pods must be free from insect and rodents

The Senna pods must be packed in approved and recommended types of product labeling in clean, dry, storage well locked in a manner that preserves the properties of the product and does not affect it and not be affected by it

6 Packing



7 The Identifying Label



- A Clear identifying label must contain the following information
1. Name of crop
 2. Type of the crop, Name of exporting company, or Trade mark
 3. Net Weight
 4. Country of origin
 5. Production date and expire date
 6. Code Number
 7. The above information should be written in indestructable, non removable and properly fixed on the package

The expire date of Senna Pods must not exceed more than two years from the date of production

8 Expire



9 Storage



The Senna pods must be packed in a clean place, with low humidity and heat and protected from the light and dust

10 Sampling

The Sudanese Standard Specification and Measurements number 307 are to be followed when taking samples for testing



11 Methods of inspections and testing



Conducted on sample that has been taken according to item 10. The ratio of hydroxyl substance to anthracene is calculated as xenoside according to British Pharmacopoeia