

Chickpea

The Sudanese Authority for Specification and Measurements is a scientific overseer which controls products according to national standard with the help of technically specialized committees in co-operation with other well connected agencies.

The following specifications were set by the Sudanese Standard and Specifications and measurements through the Technical Committee of Seed oil extracts and concentrates work programmes.

This standard applies to the dry whole pulses other than oil seeds intend for human Consumption and doesn't include processed or broken leguminous seeds or seeds intended for animal feed or prepared with special standard.

1. Definition:

Chickpea (*Cicer arietinum* L.) are seeds of leguminous plants which are distinguished from leguminous oil seeds by their low fat content.

2. General Requirements:

Chickpeas shall be:

- 1- Clean and free from foreign odor.
- 2- Homogenous in color , size with natural texture.
- 3- Entirely mature.
- 4- Free from insects and their all stages, rodents and their residual filth.
- 5- Seeds shall not be germinated.
- 6- Seeds shall not be genetically modified.

3. Measurement Requirements :

No.	Content	Minimum	Maximum
1	Weight of 100 Seeds: Large Seed (g)	>30	-
2	Weight of 100 Seeds: Moderate Seed (g)	20-30	-
3	Weight of 100 Seeds: Small Seeds (g)	<20	-
4	Broken Seeds (%)	-	1.0
5	Hydration Coefficient (%)	100	-
6	Moisutre (&)	-	11

No.	Content	Minimum	Maximum
7	Protein	19	-
8	Damaged Seeds (%)	-	5
9	Mycotoxins (%)	-	15
10	Foreign matters and Impurities (%)	-	3.0

4. Packaging:

Pulses shall be packaged in sound, strong cleaned containers and shall not lead to seed contamination and change of odor or taste.

5. Labelling:

In addition to the requirements stated in SDS2889/2007 (Packed Food or Label Specification). The following information shall be shown on the package and the paper documents (for bulk material , information shall be in the paper document only):-

1. Name of the product, for example: (Legumes such as Faba Beans)
2. Date of harvesting season.
3. Country of origin
4. Net weight in tons and/or its units .

6. Shelf Life:

One year from date of harvest.

7. Sampling:

Samples shall be drawn according to the Sudanese Standard Specifications SDS 1005/2007.

8. Testing and Analysis:

For testing 100 seed weight, 200g sample shall be drawn, then 100 seeds shall be counted manually or automatically, and then weighed in grams.

9. Transport:

Grain legumes shall be transported under good conditions that protect the grains from weather changes , insects and rodents attack, contamination and damage.

Means of transportation shall be clean, free from any effects resulting from pesticides , herbicides. Pungent or any toxic materials.

10. Storage:

Dry legumes shall be stored in clean premises free from materials that may be hazardous to health . The storage premises shall be suitable to preserve the product quality in according to the Sudanese Standard Specifications SDS 3891/2007.