
DRY BEAN GRADING

Grading, sampling, determination of moisture, undesirable and harmful substances, stones and poisonous seeds are regulated by the Agriculture Product Standard Act 1990 (Act No 119 of 1990) and is stipulated in Government Gazette No R112 of 14/02/2014

1. WORD DEFINITIONS

For the purpose of this Regulations, the following words or expressions will have the following meaning:

1 “Broken or split dry beans”

Mean dry beans of which the cotyledons are separated to such extent that they are nowhere attached by the testa or otherwise and also portions of dry beans and cotyledons that are broken off;

2 “Broken testa” Means the testa of a dry bean of which a portion or the whole is broken off;

3 “Bulk quantity”

3.1 Local consumption - Means a quantity of more than 10 kilograms of dry beans whether sold in containers, or in loose quantities;

3.2 Export – Means a quantity of more than 5 kilograms of dry beans, whether sold in containers or in loose quantities;

4 “Consignment”

It is a quantity of dry beans of the same class which belongs to the same owner, delivered at any one time under cover of the same consignment note, delivery note or receipt note or delivered by the same vehicle or bulk container, or loaded from the same bin of a grain elevator or from a ship’s hold; or

in the case where a quantity is subdivided into different types of packaging, grades, form groups, size groups, colour groups, type groups or grades, each quantity of such different types of packaging, grades, size groups, colour groups, type groups;

5 “Container” Means a bulk container or bag:

5.1 bulk container is any vehicle or container in which bulk dry beans is stored, or transported;

5.2 bag means a bag manufactured from jute or phormium or a mixture of jute and phormium, or bags manufactured from polypropylene that complies with SABS specification CKS 632;and

5.3 any plastic container.

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- 6 “Colour group”**
Means a colour group described in Regulation 6;
- 7 “Cracked testa”**
Means the testa of a dry bean that is clearly cracked for more than one third of the circumference thereof, measured square on the longitudinal axis;
- 8 “Dangerous object”**
Means any object or part thereof which when occurring in dry beans, may be dangerous in the handling or consumption of those dry beans such as glass and metal;
- 9 “Defective dry beans”**
Means dry beans or portions of cotyledons of dry beans of which the quality or colour are adversely affected to the extent to which they are damaged, contaminated, speckled, stained, discoloured or have sprouted, but excluding:
- 9.1 broken or split dry beans; or
 - 9.2 dry beans which are healthy and normal except for a dis-colouration of the helium or veins with a slight dis-colouration of the testa due to oxidation and light spots or speckling that is limited to the testa pin pricks with dents or hollows in the cotyledons and a broken, cracked or wrinkled testa;
- 10 “Dry beans”**
Means the threshed ripe seed of plants of *Phaseolus acutifolius* A Gray (tepary dry beans), *P. coccineus* L.(kidney beans) and *P. vulgaris* L. (dry beans or garden beans);
- 11 “Foreign matter”**
Means any matter other than dangerous objects, stones, sand and poisonous seed that does not naturally form part of dry beans;
- 12 “Form group”**
Means a form group as described in Regulation 4;
- 13 “Grade”**
Means a grade as described in Regulation 1;
- 14 “Insect”**
Any live and or dead insect which is injurious to dry beans, irrespective of the stage of development of the insect;
- 15 ”Main panel”**

Means that part of the label or container bearing the trade mark, trade name or brand name in equal prominence and any other part of the label;

16 “Not true to type dry beans” (Other dry beans in the sample)

Means dry beans that do not have the normal characteristic shape, size, colour and other properties of a particular cultivar;

17 “Poisonous seeds”

17.1 Mean seeds or parts of seeds of plant species that may represent a hazard to human- or animal health when consumed as described in Act 54 of 1972, Regulation no R1225 of 4/10/2002; and

17.2 Poisonous pulses such as Jack- or Sword beans of the species *Canavalia ensiformis*.

18 “Packer”

Means a person packing dry beans for sale, a person on whose behalf dry beans are packed for sale and a person importing dry beans for sale;

19 “Retail quantity”

Means a quantity of 10 kilograms or less of dry beans, irrespective whether sold in containers or in loose quantities;

20 “Size group”

Means a size group described in Regulation 5;

21 “Stained”

Means the occurrence on the testa of dry beans with a white or any other ground colour of small to fair sized natural stains, which may be of any colour;

22 “Speckled”

Means the scattered occurrence over the whole surface of the testa of speckles and natural stains of a colour other than the ground colour of the testa;

23 “The Act”

Means the Agricultural Product Standards Act 1990 (Act no 119 of 1990);

24 “Type group”

Means a type group described in Regulation 7;

25 “Wrinkled testa”

Means the testa of a dry bean that shows three or more intense pleats;

26 “Representative sample”

This sample is taken in accordance with the Regulations as specified in Government Gazette No R 897 dated 05/07/2002;

27 “Working sample”

This is a sample that is obtained by dividing a representative sample of the consignment according to the ICC 101 (approved 1960) method;

2. QUALITY STANDARDS

Standards for grades

2.1 A consignment of dry beans that is graded as Prime grade, Grade 1, Grade 2, Grade 3, Grade 4 or Canning grade shall:

2.1.1 be of a particular form group;

2.1.2 be of a particular size group;

2.1.3 be of a particular colour group;

2.1.4 be of a particular type group;

2.1.5 be free from a musty or other unacceptable odour;

2.1.6 be free from any dangerous objects;

2.1.7 be free from dry beans in or on which a substance occurs that renders it unsuitable for human consumption, or for processing into healthy food or feed;

2.1.8 be free from poisonous seed: Providing that the beans may not contain more seeds such as *Argemone mexicana* L. (Mexican Poppy), *Convolvulus*-species (Field Bindweed), *Crotalaria*-species (Wild Lucerne), *Datura*-species (Thorn Apple), *Ipomoea purpurea* Roth. (Morning Glory), *Lolium temulentum* (Darnel) *Ricinus communis* (Caster oil), *Xanthium strumarium* (Cockle Bur) and *Xanthium spinosum* (Bur weed) in a 1-kilogram representative sample than the legal norm allowed;

2.1.9 be free from insects;

2.1.10 be free from organisms of phytosanitary importance as determined by Agricultural Pest Act 1983 (Act 36 of 1983);

2.1.11 have a moisture content of not more than 14percent and for export 16percent; and

2.1.12 does not exceed the maximum deviations as stipulated in the table for the grade.

2.2 A consignment of dry beans that is graded as split beans shall: (Retail)

- 2.2.1 be free from a musty- or other unacceptable odour;
- 2.2.2 be free from any dangerous objects;
- 2.2.3 be free from dry beans in or on which a substance occurs that renders it unsuitable for human consumption or for processing into healthy food or feed;
- 2.2.4 be free from poisonous seed - Providing that the beans may not contain more seed such as *Argemone mexicana* L. (Mexican Poppy), *Convolvulus*-species (Field Bindweed), *Crotalaria*-species (Wild Lucern), *Datura*-species (Thorn Apple), *Ipomoea purpurea* Roth. (Morning Glory), *Lolium temulentum* (Darnel) *Ricinus communis* (Casteroil), *Xanthium strumarium* (Cockle Bur) and *Xanthium spinosum* (Burweed) in a 1 kilogram representative sample than the legal norm allowed;
- 2.2.5 be free from insects;
- 2.2.6 be free from organisms of phytosanitary importance as determined by Agricultural Pest Act 1982 (Act 36 of 1983);
- 2.2.7 have a moisture content of not more than 14 percent and for export 16 percent; and
- 2.2.8 not exceed the maximum deviations as stipulated in the table for the grade.

2.3 A consignment of dry beans which does not comply with the requirements specified in the grading table shall be graded as Under Grade:

Provided that in the case of dry beans in retail quantities of 5 kilogram and more which are graded as Under Grade, must:

- 2.3.1 be free from a musty or other unacceptable odour;
- 2.3.2 be free from any dangerous objects;
- 2.3.3 be free from dry beans in or on which a substance occurs that renders it unsuitable for human consumption or for processing into healthy food or feed;
- 2.3.4 be free from poisonous seed - Providing that the beans may not contain more seed such as *Argemone mexicana* L. (Mexican Poppy), *Convolvulus*-species (Field Bindweed), *Crotalaria*-species (Wild Lucern), *Datura*-species (Thorn Apple), *Ipomoea purpurea* Roth. (Morning Glory), *Lolium temulentum* (Darnel) *Ricinus communis* (Casteroil), *Xanthium strumarium* (Cockle Bur) and *Xanthium spinosum* (Burweed) in a 1 kilogram representative sample than the legal norm allowed;

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- 2.3.5 be free from insects;
 - 2.3.6 be free from organisms of phytosanitary importance as determined by Agricultural Pest Act 1983 (Act 36 of 1983);
 - 2.3.7 do not exceed the maximum deviations as stipulated in the table for the grade; and
 - 2.3.8 have a moisture content of not more than 14 percent?

3 SIZE GROUPS

The size groups for dry beans are **large, medium and small**.
A consignment shall be graded as:

large if the bean count is 140 or less per 100gram working sample;

medium if the bean count is more than 141, but less than 365 per 100gram working sample;
and

small if the bean count is more than 366, but less than 760 per 100gram working sample.

4 COLOUR GROUPS

The colour groups for dry beans are **White, Red speckled, Non-red speckled and Coloured**

The consignment shall be graded as follows:

4.1 **white**—if the colour of the dry beans can be described as white;

4.2 **red speckled** – if the testa of the dry beans:

- have fully or partly pinkish red to reddish-purple speckles;
- have a white or light background colour and a pinkish-red to reddish-purple secondary colour; or
- have a pinkish-red to reddish-purple colour inversion;

4.3 **non red speckled** – if the testa of the dry beans have speckles or a colour inversion of anycolour- other than pinkish-red or reddish-purple; and

4.4 **coloured** – if the dry beans are not of a colour group as specified in abovementioned colour groups.

5. TYPE GROUPS

The type groups of dry beans are:

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- 5.1 kidney beans;
 - 5.2 medium white beans;
 - 5.3 small white beans;
 - 5.4 red speckled beans;
 - 5.5 non red speckled beans;
 - 5.6 half white beans;

half white beans means dry beans of which approximately one half of the testa is predominantly white or dull white, irrespective of whether a few small speckles occur thereon and of which the remaining portion is speckled, naturally stained or coloured.

- 5.7 coloured beans;
- 5.8 green beans;

green beans mean the threshed ripe seed of Phaseollus vulgaris L (garden beans);

- 5.9 mixed dry beans;

mixed dry beans mean dry beans that consist of a mixture of different size groups, coloured, groups or type groups; and

- 5.10 unspecified dry beans;

unspecified dry beans mean dry beans of a type group that is not specified in the Regulation.

6. Grades for dry beans

Dry beans shall for the purpose of the application of these Regulations be graded as:

- 6.1 Local consumption –
In retail quantities as Grade 1, Grade 2, Grade 3 or split beans, provided that dry beans in retail quantities of 5 kilogram and more may also be graded as Under Grade. In bulk quantities as Canning Grade, Grade 1, Grade 2, Grade 3, Grade 4 or Under Grade; and
- 6.2 Export - Prime grade, Grade 1, Grade 2 and Canning Grade.

7. DETERMINATION OF OTHER SUBSTANCES, FORM GROUP, COLOUR GROUP, SIZE GROUP AND TYPE GROUP

- 7.1 **Determination of a form group, colour group, smell, dangerous objects,**

harmful substances, poisonous seeds and insect content.

A consignment or working sample shall be assessed sensorally or be chemically analyzed in order to determine:

- the form group and colour group thereof;
- whether it has a musty- or other unacceptable smell;
- whether it contains any dangerous objects;
- whether it contains dry beans in or on which a substance occurs that renders it unsuitable for human consumption, or for processing into healthy food or feed;
- whether it contains more poisonous seed than allowed; and
- whether it contains insects.

7.2 Determination of size group

The size group of a consignment of dry beans shall be determined as follows:

- obtain three working samples of 100 gram each, from which all stones, sand, foreign matter, defective dry beans, broken and split dry beans and dry beans not true to the type, have been removed;
- count the number of dry beans in each portion of the working samples and calculate the average of the three samples; and
- such average shall represent the number of beans per 100gram and shall be used to determine the size group.

7.3 Determination of the type group

The type group of a consignment shall be determined according to the colour and form group as specified.

7.4 Determination of foreign matter, stones and sand content

- obtain a working sample of 1 kilogram;
- remove all foreign matter, stones and sand from the sample and determine the mass of each;
- express the mass of each as a percentage of 1 kilogram; and
- such percentages shall respectively represent the percentage of foreign matter, stones and sand in the consignment.

7.5 Determination of defective dry beans, broken or split dry beans

The percentages of defective dry beans, broken or split dry beans in a consignment, shall be determined as follow:

- Obtain the following working samples free from all foreign matter, stones and sand:
 - 400gram of dry beans if it is of the size “Large group”;
 - 200gram of dry beans if it of the size “Medium group”; and

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- 100gram of dry beans if it is of the size “Small group”.
 - Remove all defective dry beans and broken or split dry beans separately
 - from the working sample and determine the respective mass thereof;
 - express the respected mass as a percentage of the mass of the working sample; and
 - such percentage shall respectively represent the percentage defective and split dry beans in the consignment.

7.6 Determination of not true to type dry bean content

The percentages of the not true to type dry beans in a consignment, shall be determined as follows:

- obtain the following working sample from which the defective and split dry beans has been removed:
 - 200gram of dry beans if it is of the size “Large group”;
 - 100gram of dry beans if it of the size “Medium group”; and
 - 50gram of dry beans if it is of the size “Small group”
- remove all not true to type dry beans from the working sample and determine the respective mass thereof;
- express the mass as a percentage of the mass of the working sample; and
- such percentage shall represent the percentage of the not true to type beans in the consignment.

7.7 Determination of dry bean content with a broken and wrinkled or cracked testa

The percentages of dry beans with a broken testa and with a wrinkled or cracked testa in a consignment of dry beans shall be determined as follows:

- use the working sample obtained as stipulated in 8.6 for determining the not true to type dry beans, return the dry beans removed from this sample;
- remove all dry beans with a broken testa and wrinkled- or cracked testa separately from the sample and determine the respective mass of each;
- express the mass as a percentage of the mass of the working sample; and
- such percentage shall respectively represents the percentage of dry beans with a broken testa and the percentage of dry beans with a wrinkled or cracked testa in the consignment.

7.8 Determination of moisture content

The moisture content of a consignment of dry beans may be determined according to any suitable method, provided that the results thus obtained, are in accordance with the maximum permitted deviation for a class 1 moisture meter as detailed in ISO 7700/2, based on the results obtained by means of the 72 hour at 103° C oven dried method. (AACC Method 44-15A/1981).

8. REQUIREMENTS FOR CONTAINERS

Dry beans must be stored in containers either for long periods of time or for commercial purposes such as sales to consumers. The containers in which dry beans are packed must conform to the following regulations:

The containers shall:

- be manufactured from a material that:
 - will protect the contents thereof against contamination; and
 - will not impart any undesirable flavour or odour to the contents thereof.
- be so strong that it will not tear or break during normal storage, handling and transport practices;
- be whole, with the exception of grain probe marks - Provided that grain probe marks will not be permissible in the case of dry beans in retail quantities;
- be clean;
- be closed properly in a manner permitted by the nature thereof; and
- in the case of dry beans in retail quantities, be new.

9. PACKING REQUIREMENTS

9.1 Dry beans of different grades, form groups, size groups, colour groups and type groups shall, except in the case of the type group known as Mixed dry beans, not be packed in the same container.

9.2 Under Grade dry beans shall be packed in containers each containing 5 kilograms of dry beans or more.

10. MARKING REQUIREMENTS

10.1 Requirements concerning the marking of containers in which dry beans in retail quantities are packed:

10.1.1 Subject to the provisions of paragraphs 11.1.2 and 11.1.3 the main panel of a container in which dry beans are sold in retail quantities or another conspicuous

place in the case of a container without a depiction of a trademark shall be marked with:

- the applicable type group of those dry beans or, in the case of dry beans that have been imported, the common name and the name of the country of origin thereof;
- the applicable size group, colour group and grade of those dry beans;
- the expression “Product of” followed by the name of the country of origin thereof.

10.1.2 The indications of form group, size group, or colour group may be omitted if:

- dry beans destined for sale in the retail trade are packed in containers of which a continuous portion of at least 25 percent of the area thereof is transparent; or the type group is descriptive of the form group, size group and colour group.

10.1.3 Any illustration on the container shall be an accurate representation of the contents, especially as far as colour group and type group are concerned.

10.2 Each container in which dry beans in retail quantities are sold shall, either on the main panel or in another conspicuous place thereof, be marked with:

- name and address of the packer of those dry beans as required by Regulation 11.1 and 11.2; and
- the net mass of the dry beans packed therein, as required in terms of the Trade Metrology Act, 1973 (Act No 77 of 1973).

10.3 The particulars referred to in sub regulations 11.1 and 11.2 shall be indicated in detached letters and figures:

- that are in each separate case of the same colour, type and size;
- that appear on a uniform and contrasting background;
- that are clearly legible; and
- of which the vertical height is at least 5,0 mm - Provided that the indication of the name and address of the packer may be of a vertical height of at least 2 mm.

10.4 If any word or expression that is not a trade-mark or is not required in terms of these regulations or another law, appears on a container in which dry beans intended for sale in the retail trade are packed, the vertical height of the letters and figures used to indicate the particulars referred to in Sub Regulation 11.1.1 shall, subject to the provisions of Sub Regulation 11.3 be at least the same as that of the largest letter or figure in the word or expression concerned.

10.5 The provisions of this regulation shall *mutatis mutandis* apply to particulars that are indicated on an outer container in which one or more separate containers of dry beans intended for sale in the retail trade are packed, if such outer container is not transparent.

10.6 When dry beans destined for sale in the retail trade are kept for sale in loose quantities:

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- 10.6.1 dry beans of different form groups, size groups, colour groups, type groups and grades shall, except in the case of the type group known as Mixed dry beans, be kept separate; and
 - 10.6.2 the particulars referred to in Sub Regulation 11.1.1 shall be indicated in clearly legible letters and figures with a vertical height of at least 10,0 mm on a notice board displayed at those dry beans.

11 Marking of containers in which dry beans are packed in bulk quantities

- 11.1 Subject to the provisions of Sub Regulation 12.2 each container containing dry beans in bulk, shall be marked clearly and legibly with block letters on the container itself, or on a label affixed to the container, with the following particulars:
 - 11.1.1 the name of the product shown at least as dry beans;
 - 11.1.2 the grade of the dry beans - Provided that the grade may be omitted if the dry beans have not been graded yet, or in the case of imported dry beans destined for a purpose other than the sale;
 - 11.1.3 lot identification;
 - 11.1.4 country of origin; and
 - 11.1.5 the name and address of the packer of those dry beans as required by Regulation 14;

Provided that the lot identification and the name and address of the packer may be replaced by an identification mark, if such identification mark is clearly identifiable with the accompanying sales documents.
- 11.2 The country of origin may in the case of dry beans destined for further processing or packing be omitted, if the country is indicated on the accompanying sales documents.

12. INDICATIONS OF PACKER

- 12.1 The name of the packer of dry beans that is marked on the container shall:
 - 12.1.1 consists of the initials and surname or trade name of the packer or, in the case of imported dry beans in retail quantities, the importer concerned; and
 - 12.1.2 be preceded by the expression "Packed by" or, in the case of dry beans imported into the RSA in the containers in which they are to be sold in the retail trade, be preceded by the expression "Imported by".
- 12.2 The address of the packer of dry beans that is marked on a contained shall:
 - 12.2.1 consists of the address of the premises in the RSA where those dry beans are packed, or where the ordinary place of business of such packer is situated,

followed by the name of the town, suburb and city or magisterial district in which those premises are situated; and

12.2.2 be marked on such container immediately after the particulars referred to in Sub Regulation 13.1;

12.3 If dry beans are packed on behalf of a person:

12.3.1 the particulars referred to in sub regulation 13.1.1 shall be replaced by the initials and the surname or trade name of the person on whose behalf those dry beans have been packed;

12.3.2 such initials and surname or trade name shall be preceded by the expression “packed for”;

12.3.3 the address of such person shall be indicated in the place of the address referred to in Sub Regulation 13.2.1;

12.3.4 such address shall be marked on a container immediately after the particulars referred to in paragraph 13.2.1; and

12.3.5 the particulars referred to in sub regulations 13.1 and 13.2 may in addition thereto be marked on a container.

13. RESTRICTED PARTICULARS

13.1 No indication of a form group, size group, colour group, type group or grade other than the applicable form group, size group, colour group, type group or grade shall appear on a container in which dry beans are packed, or on a label attached to such container.

13.2 The expression “Selected” or “Hand selected”, or any other word or expression which directly or by implication creates or may create the impression that dry beans are of a special or particular quality shall not appear on a container in which dry beans are packed, or on a label attached to such container - Provided that the expression “hand pick selected” may be used in the case of kidney beans sold in bulk if:

13.2.1 the kidney beans comply with at least grade 1 specifications; and

13.2.2 had been selected by hand.

13.3 No word, mark illustration, depiction or any other method of expression that constitutes a misrepresentation, or directly or by implication creates or may create a misleading impression regarding the quality, nature, form group, size group, colour group, type group or grade of dry beans shall appear on a container in which dry beans are packed, or on a label attached to such container.

13.4 The provisions of this regulation shall apply *mutatis mutandis* to particulars that appear on:

13.4.1 a notice board displayed at dry beans that are kept for sale in loose quantities;
and

13.4.2 an outer container in which one or more separate containers of dry beans are packed, if such outer container is not transparent.

TABLE FOR SOUTH AFRICAN GRADING SPECIFICATIONS

Nature of deviation	Maximum % that may occur for each grade						
	Canning grade	Grade 1	Grade 2	Grade 3	Grade 4	Split beans	Under grade
Foreign matter							
Bulk quantities	0.1%	0.25%	0.7%	1.5%	2.0%	-	*

quantities	Retail	-	0.25%	0.7%	1.5%	-	1.5%	1.5%
Stones and sand								
	Bulk quantities	none	none	0.2%	0.6%	0.8%	-	*
	Retail	-	none	0.2%	0.6%	-	0.6%	0.6%
quantities								
Total of foreign matter, sand and stones, provided that each is within specified limits								
	Bulk quantities	0.1%	0.25%	0.7%	1.5%	2.0%	-	*
	Retail	-	0.25%	0.7%	1.5%	-	1.5%	1.5%
quantities								
Defective dry beans								
	Bulk quantities	1.5%	3.0%	10.0%	20.0%	25.0%	-	*
	Retail	-	3.0%	10.0%	20.0%	-	20.0%	*
quantities								
Broken or split dry beans								
	Bulk quantities	1.0%	5.0%	7.0%	10.0%	15.0%	-	*
	Retail	-	5.0%	12.0%	15.0%	-	15% only broken beans	*
quantities								
Total of defective, broken or splits beans and in the case of canning grade also include foreign matter, stones and sand, provided that each is within specified limits								
	Bulk quantities	2.0%	5.0%	15.0%	20.0%	25.0%	-	*
	Retail	-	5.0%	15.0%	20.0%	-	20.0%	*
quantities								
Not true to type dry beans (not applicable to type mixed dry beans)								
	Bulk quantities	0.2%	1.0%	2.5%	5.0%	7.5%	-	*
	Retail	-	1.0%	2.5%	5.0%	-	*	*
quantities								
Dry beans with a broken testa								
Kidney beans								
	Bulk quantities	-	8.0%	12.5%	20.0%	25.0%	-	*
	Retail	-	10.0%	15.0%	20.0%	-	-	*
quantities								
Other dry beans								

		5.0%	5.0%	7.5%	10.0%	10%	-	*
	Bulk quantities	-	5.0%	10.0%	15.0%	-	-	*
quantities	Retail							
Dry beans with a wrinkled or cracked testa								
Kidney beans								
	Bulk quantities	-	30.0%	50.0%	60.0%	75.0%	-	*
	Retail	-	35.0%	60.0%	75.0%	-	-	*
quantities								
Other dry beans								
	Bulk quantities	5.0%	20.0%	30.0%	40.0%	45.0%	-	*
	Retail	-	20.0%	35.0%	45.0%	-	-	*
quantities								
Total of dry beans with a broken and wrinkled or cracked testa, provided that each is within specified limits								
	Bulk quantities	-	30.0%	50.0%	60.0%	75.0%	-	*
	Retail	-	35.0%	60.0%	75.0%	-	-	*
quantities								
Other dry beans								
	Bulk quantities	5.0%	20.0%	30.0%	40.0%	45.0%	-	*
	Retail	-	20.0%	35.0%	45.0%	-	-	*
quantities								

Explanatory note:

Means not applicable -
Means no limit *

A Sample: **(Bulk/Retail)**

	TIPE DRY BEANS							=
	FORM							=
	SIZE							=
	COLOUR							=
No	Afwyking/Deviation	1	2	3	4	Total	Grade	
1	Foreign matter							
2	Stones and sand							
3	Total Foreing matter and stones							
4	Defective dry beans							
5	Broken/split dry bean							
6	Total defective & broken/splits							
7	Not true to tipe beans							
8	Broken testa							
9	Wrinkled/cracked testa							
10	Total Broken & Wrinkled/cracked testa							
11	Poisonous seeds							
12	Musty or unacceptcal odour							
13	Harmfull substance							
14	Moisture							
15	Remarks:							
GRADE								=

B Sample: **(Bulk/Retail)**

	TIPE DRY BEANS							=
	FORM							=
	SIZE							=
	COLOUR							=
No	Afwyking/Deviation	1	2	3	4	Total	Grade	
1	Foreign matter							
2	Stones and sand							
3	Total Foreing matter and stones							
4	Defective dry beans							
5	Broken/split dry bean							
6	Total defective & broken/splits							
7	Not true to tipe beans							
8	Broken testa							
9	Wrinkled/cracked testa							
10	Total Broken & Wrinkled/cracked testa							
11	Poisonous seeds							=
12	Musty or unacceptcal odour							=
13	Harmfull substance							=
14	Moisture							=
15	Remarks:							
GRADE								=

