



QUALITY STANDARDS

SPECIFICATIONS FOR RAW BANANA (PNFPL0016)

Kachha kela (Hindi), Aduge bale (Kannada), Vazhaikai (Tamil), Pachhaantikai (Telugu)

1. GENERAL CHARACTERISTICS

Raw Banana shall be fresh, clean, firm, and tender and shall have green/light green color and shape characteristics of variety. Raw Banana shall be free from cut/crack, bruises, sun burn, natural brown marks, and any type of damage caused by packing, pressure, handling and mechanical means. Raw Banana shall not be broken, misshaped, soft, ripe and chipped. Raw Banana shall have green and intact finger stalk and shall be free from insect and disease infestation.

2. SAMPLING PLAN

Sampling plan-B will be followed for sampling and quality inspection of Raw Banana.

3. GRADES

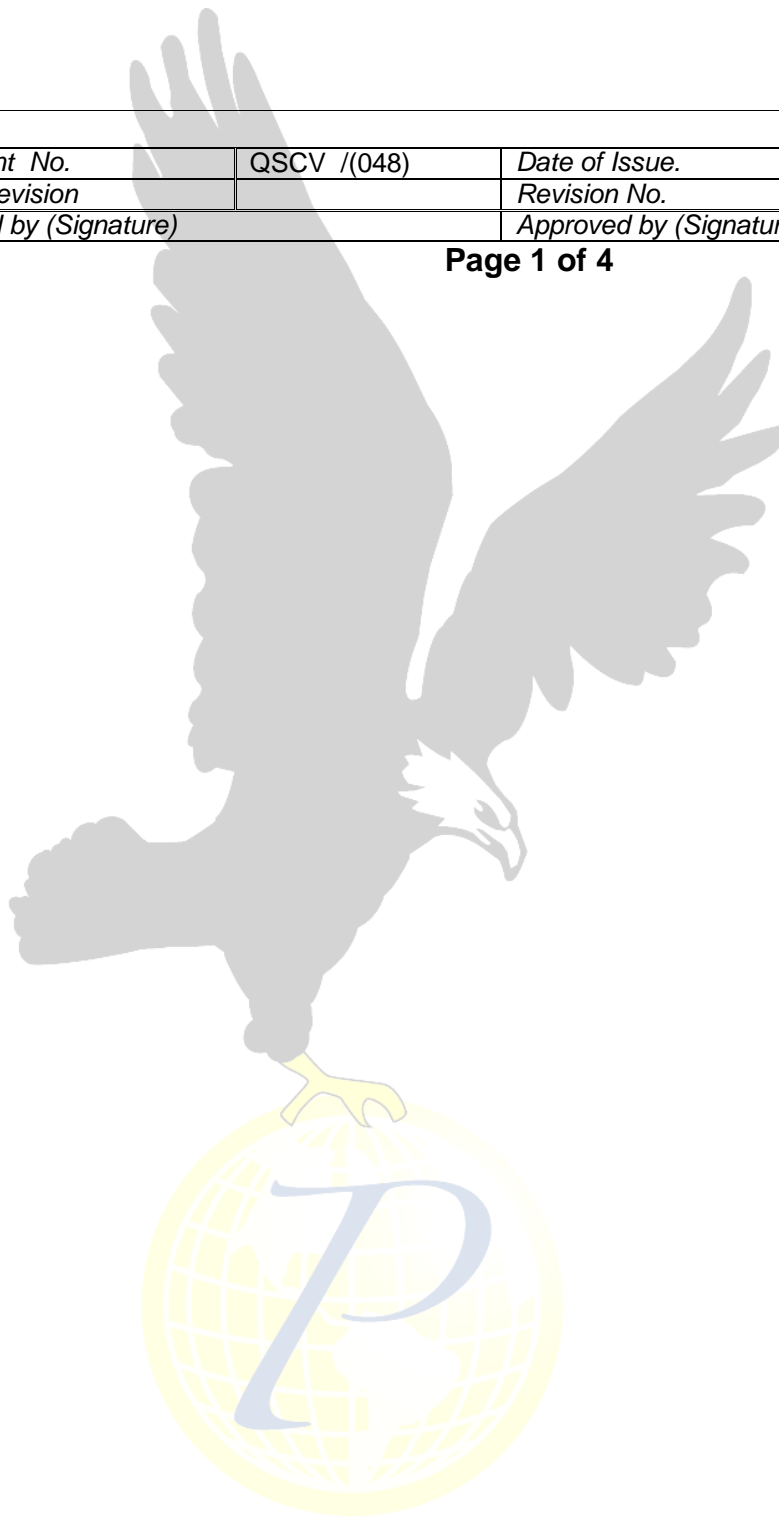
There shall be three Grades for Raw Banana viz., Grade-A, Grade-B and Grade-C. The size requirement for these Grades shall be as follows:

4. SIZE

	GRADE-A	GRADE-B	GRADE-C
Diameter (in mm)	>50	35-50	Any size with defects
Length (in mm)	>120	<120`	

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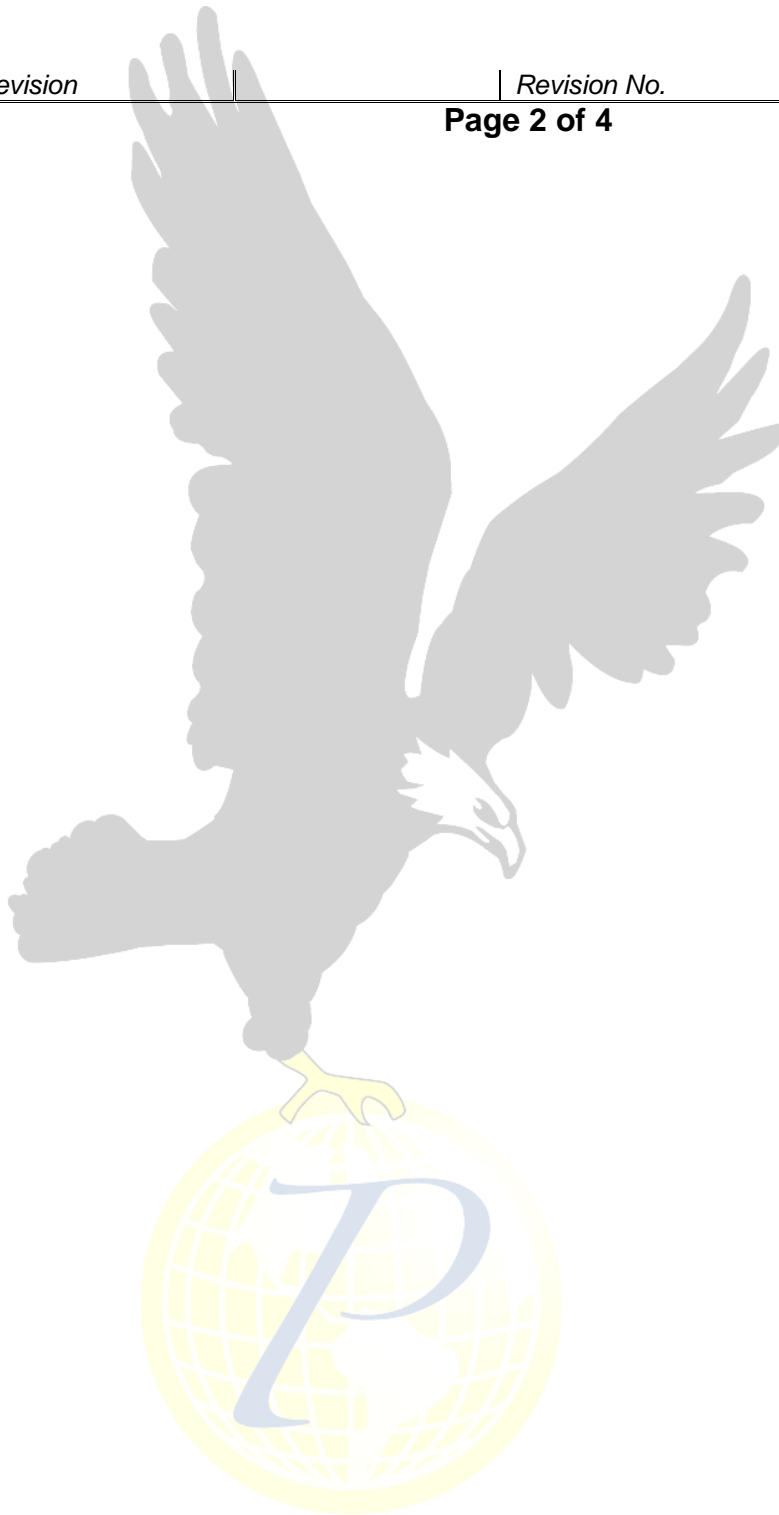


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5. QUALITY PARAMETERS

DEFECTS	GRADE-A	GRADE-B	GRADE-C
MISSHAPE/ DOUBLE	Not allowed	Allowed (slight misshape)	Allowed
PRESSURE DAMAGE/SOFT	Not allowed	Not allowed	Allowed
RIPE	Not allowed	Allowed yellow color up to 5 % surface area	Allowed
BLACK AND DAMAGE FINGER STALK	Allowed 5 % surface area	Allowed	Allowed
BRUISES (BLACK/BROWN SPOTS ON SURFACE)	Allowed up to 10% surface area	Allowed up to 20% surface area	Allowed
NATURAL BROWN MARKS ON SURFACE	Allowed up to 10% surface area	Allowed up to 20% surface area	Allowed
CUT/CRACK	Not allowed	Allowed deep cut /crack up to 2cm long	Allowed
MECHANICAL DAMAGE	Not allowed	Allowed up to 2 sq. cm. surface area	Allowed
BROKEN	Not allowed	Not allowed	Allowed up to 10% of total length
CHIPPED	Not allowed	Not allowed	Allowed up to 10% of total length
DIRTY LOOK	Not allowed	Not allowed	Allowed
INSECT DAMAGE	Not allowed	Not allowed	Allowed
ROTTING/FUNGAL INFECTED	Not allowed	Not allowed	Not allowed
DISEASED	Not allowed	Not allowed	Not allowed


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6. GRADES AND CRITERIA FOR CHECKING

DEFECTS	GRADE-A			GRADE-B		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
MISSHAPE/ DOUBLE	Allowed (Slight misshape)	Allowed	N.A.	Allowed	N.A.	N.A.
PRESSURE DAMAGE/SOFT	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
RIPE	Yellow color up to 2 sq. cm Surface area	Yellow color >2 sq. cm. Surface area	N.A.	Yellow color 5 -10% surface area	Yellow color > 10 % surface area	N.A.
BLACK AND DAMAGE FINGER STALK	10% finger stalks black and damage	N.A.	N.A.	N.A.	N.A.	N.A.
BRUISES (BLACK /BROWN SPOTS ON SURFACE)	10 - 20 % surface area	>20% surface area	N.A.	20-40% surface area	>40% surface area	N.A.
NATURAL BROWN MARKS ON SURFACE	10% - 20% surface area	>20% surface area	N.A.	20-40% surface area	>40% surface area	N.A.
CUT/CRACK	Deep cut /crack 1-2 cm long	Deep cut/crack >2 cm. long	N.A.	Deep cut /crack 2-4cm long	Deep cut /crack >4cm long	N.A.
MECHANICAL DAMAGE	up to 2 sq. cm. surface area	>2 sq. cm surface area	N.A.	2-4 sq. cm. surface area	>4 sq. cm. surface area	N.A.
BROKEN	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
CHIPPED	N.A.	Allowed	N.A.	up to 5% of total length	>5% of total length	N.A.
DIRTY LOOK	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.

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N.A. - Not Applicable

NOTE:

1. Percentage of defects allowed or disallowed in a particular grade will be determined based on weight in a sample lot.
2. More than one defect in an individual piece will be considered as major defect.
3. Extent of defect not covered in minor, major & serious categories of Grade A, B & C means it is allowed in that particular grade.

7. DEFECT & SIZE TOLERANCE (BY WEIGHT)

DEFECT TOLERANCE	GRADE-A	GRADE-B	GRADE-C
MINOR DEFECTS	10%	20%	100%
MAJOR DEFECTS	2%	10%	50%

SERIOUS DEFECTS	1%	2%	5%
SIZE TOLERANCE	10%	20%	N.A.



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