



## QUALITY STANDARDS

### SPECIFICATIONS FOR RAW MANGO (PNFPL0017)

Kacha aam (Hindi), Mavina kaayi (Kannada), Mangai (Tamil), Mamidikai (Telugu)

#### **1.GENERAL CHARACTERISTICS**

Raw mango shall be clean, firm, green/light green in color and shall have shape characteristics of variety. Raw mango shall be free from bruises, cuts, latex secretion and any type of damage caused by pressure, packing and mechanical means. Raw mango shall be sound and free from rotting/fungal infection, insect and disease infestation. Raw mango shall have acidic taste with white flesh and should not be soft.

#### **2.SAMPLING PLAN**

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

#### **3.GRADES**

There shall be two Grades for Raw mango Viz., Grade-A and Grade-B. The size requirement for these grades shall be as follows:

#### **4.SIZE**

There will be no size grading. The minimum weight for both the grades is 100 g.

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## 5.QUALITY PARAMETERS

DEFECTS	GRADE-A	GRADE-B
BRUISES	Allowed up to 5% surface area	Allowed up to 10% surface area
CUT	Not allowed	Allowed deep cut up to 1 cm long□
MECHANICAL DAMAGE	Not allowed	Not allowed
MISSHAPE	Allowed (slight misshape)	Allowed
SOFT	Not allowed	Allowed (slight soft)
STEM END ROT	Not allowed	Not allowed
PACKING DAMAGE	Allowed up to 10% surface area	Allowed
YELLOW FLESH	Not allowed	Not allowed
SUN BURN	Allowed up to 2% surface area	Allowed
LATEX SECRETION	Allowed up to 5 % surface area	Allowed
INSECT DAMAGE	Not allowed	Not allowed
DISEASED	Not allowed	Not allowed
ROTTING/FUNGAL INFECTED	Not allowed	Not allowed

## 6.GRADES AND CRITERIA FOR CHECKING

DEFECTS	GRADE-A			GRADE-B		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
BRUISES	5-10% surface area	>10% surface area	N.A.	10-30% surface area	>30% surface area	N.A.
CUT	Deep cut up to 1 cm long	Deep cut >1 cm long	N.A.	Deep cut 1-3 cm long□	Deep cut >3 cm long	N.A.
MECHANICAL DAMAGE	up to 1 sq. cm. surface area□	>1 sq. cm. surface area	N.A.	up to 2 sq. cm. surface area	>2 sq. cm. surface area	N.A.
MISSHAPE	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
SOFT	N.A.	Allowed	N.A.	Allowed	N.A.	N.A.
STEM END ROT	up to 1 sq. cm. surface area	>1 sq. cm. surface area	N.A.	up to 2 sq. cm. surface area	>2 sq. cm. surface area	N.A.
PACKING DAMAGE	10-20% surface area	>20% surface area	N.A.	N.A.	N.A.	N.A.
YELLOW FLESH	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
SUN BURN	2-4 sq. cm. surface area	>4 sq. cm. surface area	N.A.	N.A.	N.A.	N.A.

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DEFECTS	GRADE-A			GRADE-B		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
LATEX SECRETION	5-10% surface area	>10% surface area	N.A.	N.A.	N.A.	N.A.
INSECT DAMAGE	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
DISEASED	N.A.	N.A.	Incidental case up to 1% in a lot	N.A.	N.A.	Incidental case up to 2% in a lot
ROTTING /FUNGAL INFECTED	N.A.	N.A.	Incidental case up to 1% in a lot	N.A.	N.A.	Incidental case up to 2% in a lot

**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 means it is allowed in that particular grade.

**7.DEFECT & SIZE TOLERANCE (BY WEIGHT)**

DEFECT TOLERANCE	GRADE-A	GRADE-B
MINOR DEFECTS	10%	20%
MAJOR DEFECTS	2%	10%
SERIOUS DEFECTS	1%	2%
<b>SIZE TOLERANCE</b>	<b>10%</b>	<b>20%</b>

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