



## QUALITY STANDARDS

### SPECIFICATIONS FOR SNAKE GOURD (PNFPL0021)

Chichinda (Hindi), Paduvalakaayi (Kannada), Pudal (Tamil), Potlakaayi (Telugu)

#### 1. GENERAL CHARACTERISTICS

Snake Gourd shall be clean, fresh, and tender and shall have color and shape characteristics of variety. Snake Gourd shall be free from cuts/crack, bruises and any type of damage caused by packing, pressure, handling and mechanical means. Snake Gourd shall not be misshaped, puffy, slanky, mature and broken. Snake Gourd shall be sound and free from rotting/fungal infection, insect and disease infestation.

#### 2. SAMPLING PLAN

Sampling plan-C will be followed for sampling and quality inspection of Snake Gourd.

#### 3. GRADES

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

#### 4. SIZE

For small size variety only

	GRADE-A	GRADE-B	GRADE-C
Diameter (mm)	45-60	61-70	Any size with defects
Length (mm)	150 - 450	Any length	

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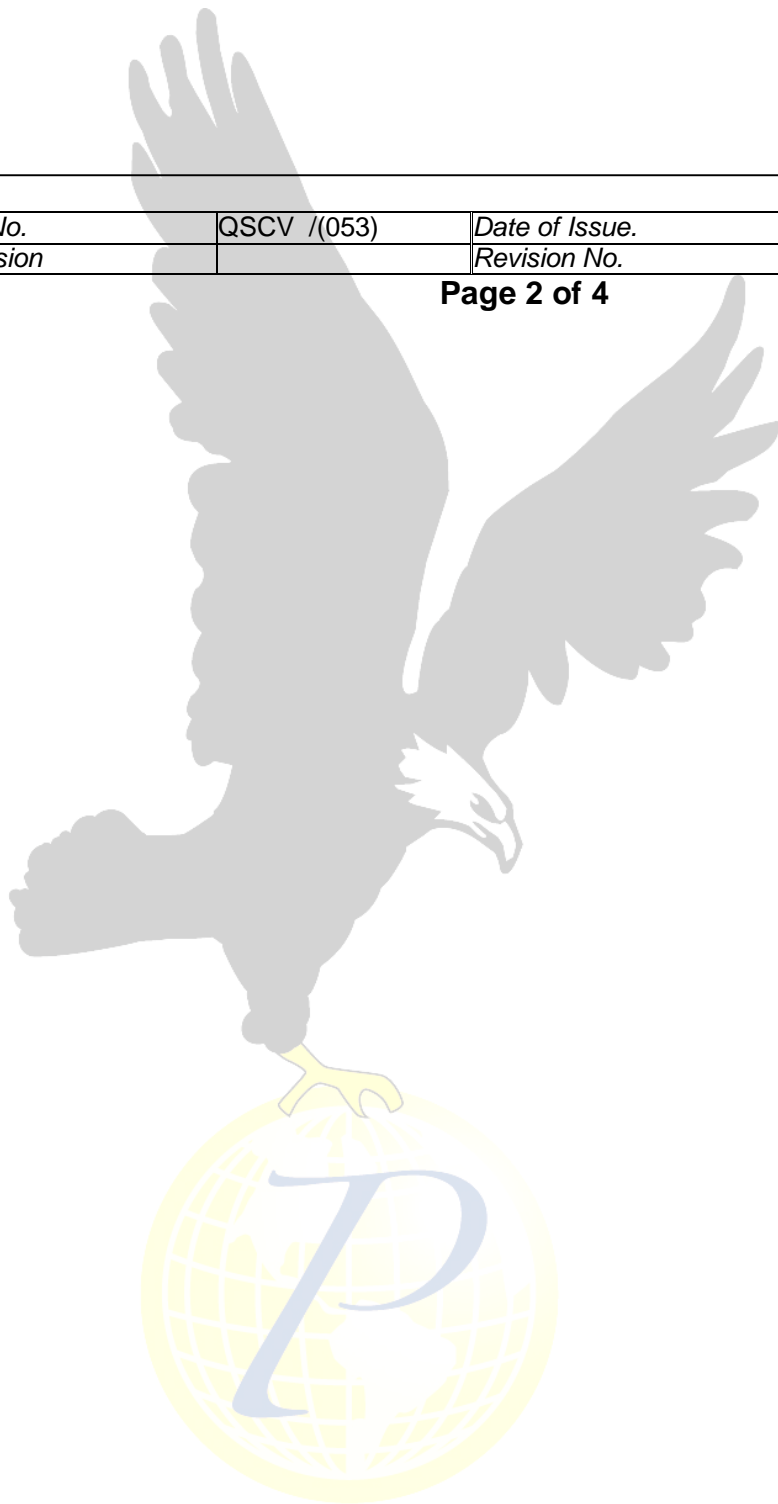
## 5. QUALITY PARAMETERS

DEFECTS	GRADE-A	GRADE-B	GRADE-C
MISSHAPE	Not allowed	Allowed (slight misshape)	Allowed
SOFT/PUFFY	Not allowed	Allowed (slight soft/ puffy)	Allowed
PRESSURE DAMAGE	Not allowed	Not allowed	Allowed
BRUISE MARKS ON SURFACE	Allowed up to 5% surface area	Allowed up to 10% surface area	Allowed
DRY LOOK	Not allowed	Not allowed	Allowed
CUT/CRACK	Allowed deep cut /crack up to 1 cm long	Allowed deep cut /crack up to 2 cm long	Allowed
SLANKY	Not allowed	Not allowed	Allowed
YELLOW COLOR	Not allowed	Not allowed	Allowed (Slight yellow color)
MECHANICAL DAMAGE	Not allowed	Not Allowed	Not Allowed
MATURE(Dark yellow/orange color)	Not allowed	Not allowed	Not allowed
BLACK/BROWN SPOTS ON SURFACE	Allowed up to 5% surface area	Allowed up to 10% surface area	Allowed
BROKEN	Not allowed	Allowed up to 10% of total length	Allowed
SHRIVELED	Not allowed	Not allowed	Allowed
BORER INFECTED	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			GRADE-C		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
MISSHAPE	Slight misshape	Allowed	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
SOFT/PUFFY	Slight soft/ puffy	Allowed	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
PRESSURE DAMAGE	5- 10% surface area	>10% surface area	N.A.	up to20% surface area	>20% surface area	N.A.	N.A.	N.A.	N.A.
BRUISE MARKS ON SURFACE	up to10% surface area	>10% surface area	N.A.	10-30% surface area	>30% surface area	N.A.	N.A.	N.A.	N.A.
DRY LOOK	N.A.	Allowed	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.
CUT/CRACK	Deep cut/ crack 1-2cm long	Deep cut /crack >2cm long	N.A.	Deep cut /crack 2-4cm long	Deep cut /crack > 4cm long	N.A.	N.A.	N.A.	N.A.
SLANKY	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.
YELLOW COLOR	Light yellow color	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
MECHANICAL DAMAGE	up to 2 sq. cm. surface area	>2 sq. cm surface area	N.A.	Up to 2 sq. cm surface area	> 2 sq. cm. surface area	N.A.	N.A.	Allowed	N.A.
MATURE(Dark yellow/orange color)	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
BLACK/ BROWN SPOTS ON SURFACE	5-10% surface area	>10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.	N.A.	N.A.	N.A.
BROKEN	up to10% of total length (Broken tip is not a defect)	>10% of total length	N.A.	10-30% of total length	>30% of total length	N.A.	N.A.	N.A.	N.A.
SHRIVELED	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	N.A.	N.A.	N.A.

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BORER INFECTED	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	Allowed	N.A.	N.A.
ROTTING/ FUNGAL INFECTED	N.A.	N.A.	up to1% in a lot	N.A.	N.A.	up to2% in a lot	N.A.	N.A.	up to5% in a lot
DISEASED	N.A.	N.A.	up to1% in a lot	N.A.	N.A.	up to2% in a lot	N.A.	N.A.	up to5% 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 & C, means it is allowed in that particular grade.

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

<b>DEFECT TOLERANCE</b>	<b>GRDAE-A</b>	<b>GRADE-B</b>	<b>GRADE-C</b>
MINOR DEFECTS	10%	20%	100%
MAJOR DEFECTS	2%	10%	50%
SERIOUS DEFECTS	1%	2%	5%
<b>SIZE TOLERANCE</b>	<b>10%</b>	<b>20%</b>	<b>N.A.</b>

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