



QUALITY STANDARDS

SPECIFICATIONS FOR ROUND GOURD (PNFPL0020)

1. GENERAL CHARACTERISTICS

Round gourd shall be clean, firm, tender, smooth and round with green/light green color characteristics of variety. Round gourd shall be free from bruises, sunburn, discoloration, black/brown spots, cut/crack, holes, nodes on surface and any type of damage caused by packing, pressure and mechanical means. Round gourd shall not be misshapen, mature and puffy. Round gourd shall be sound and free from rotting, fungal infection, insect and disease infestation.

2. SAMPLING PLAN

Sampling plan-B will be followed for sampling and quality inspection of Round gourd.

3. GRADES

There shall be three Grades for Round gourd 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 (mm)	56-65	25-55	Any size with defects

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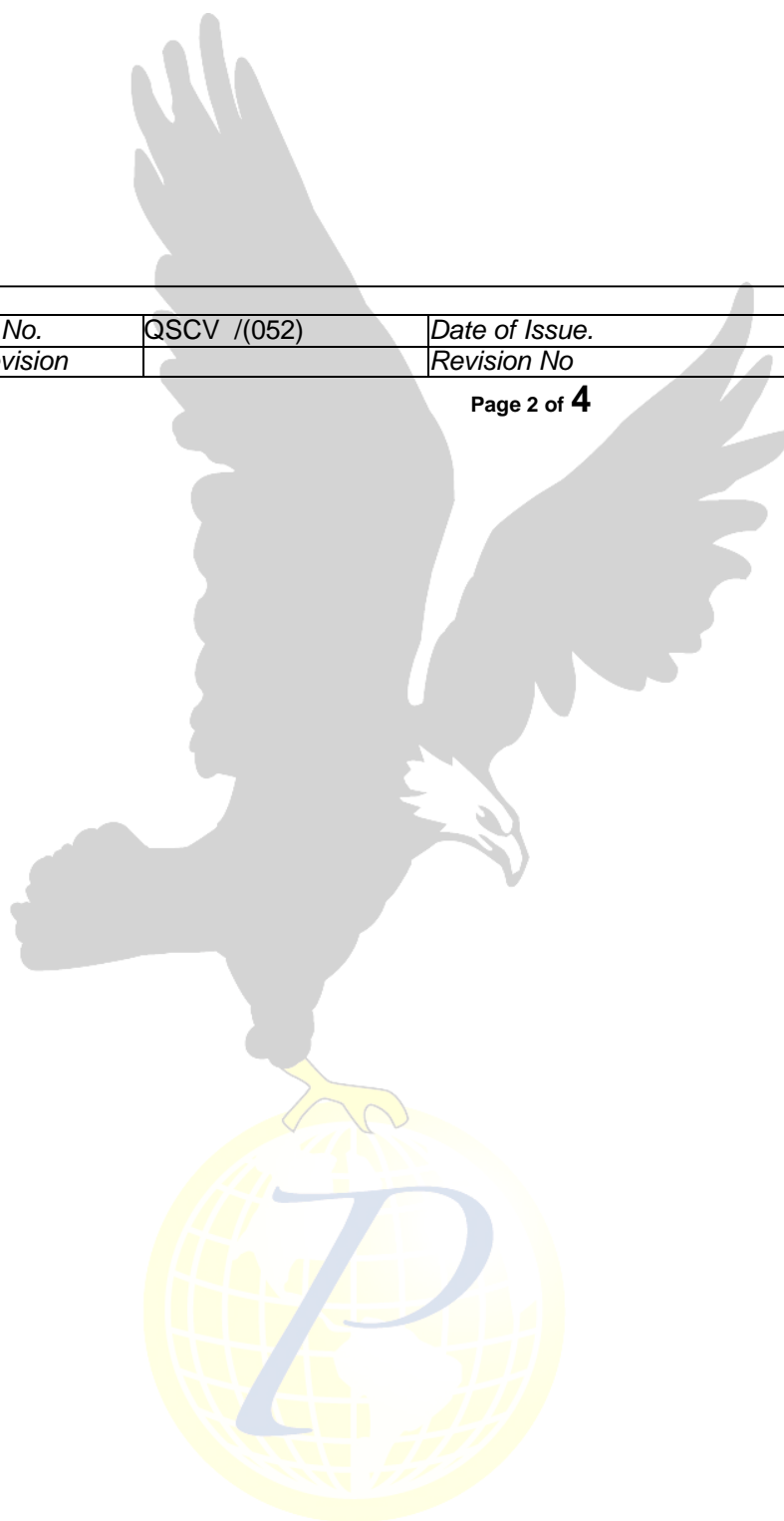
5.QUALITY PARAMETERS

DEFECTS	GRADE-A	GRADE-B	GRADE-C
MISSHAPE	Not allowed	Allowed (slight misshape)	Allowed
BRUISES	Allowed 5% surface area	Allowed up to 10% surface area	Allowed up to 50% surface area
MATURE(Hard and thick skin)	Not allowed	Not allowed	Not allowed
PRESSURE DAMAGE	Not allowed	Not allowed	Allowed
MECHANICAL DAMAGE	Not allowed	Not Allowed	Not Allowed
UNEVEN SURFACE /NODES ON SURFACE	Allowed up to 5% surface area	Allowed up to 10% surface area	Allowed
SUN BURN	Not allowed	Allowed up to 5% surface area	Allowed up to 20% surface area
PACKING DAMAGE	Not allowed	Not allowed	Allowed
BROWN/BLACK SPOTS	Not allowed	Allowed up to 5% surface area	Allowed up to 10% surface area
CUT/CRACK	Not allowed	Not Allowed	Not Allowed
INSECT DAMAGE	Not allowed	Not allowed	Not 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	Allowed (Slight misshape)	Allowed	N.A.	Allowed	N.A.	N.A.
BRUISES	5-10% surface area	>10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.
MATURE(Hard and thick skin)	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.
PRESSURE DAMAGE	N.A.	Allowed	N.A.	Allowed	N.A.	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.
UNEVEN SURFACE /NODES ON SURFACE	5-10% surface area	>10% surface area	N.A.	10-30% surface area	>30% surface area	N.A.
SUN BURN	up to 5% surface area	>5% surface area	N.A.	5-10% surface area	>10% surface area	N.A.
PACKING DAMAGE	10-20% surface area	>20% surface area	N.A.	Allowed	N.A.	N.A.
BROWN/BLACK SPOTS	up to 5% surface area	>5% surface area	N.A.	5-10% surface area	>10% surface area	N.A.
CUT/CRACK	Deep cut/ crack up to 2 cm long	Deep cut/ crack >2 cm long	N.A.	Deep cut/ crack 2 cm long	Deep cut/ crack >2 cm long	N.A.
INSECT DAMAGE	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
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
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

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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.

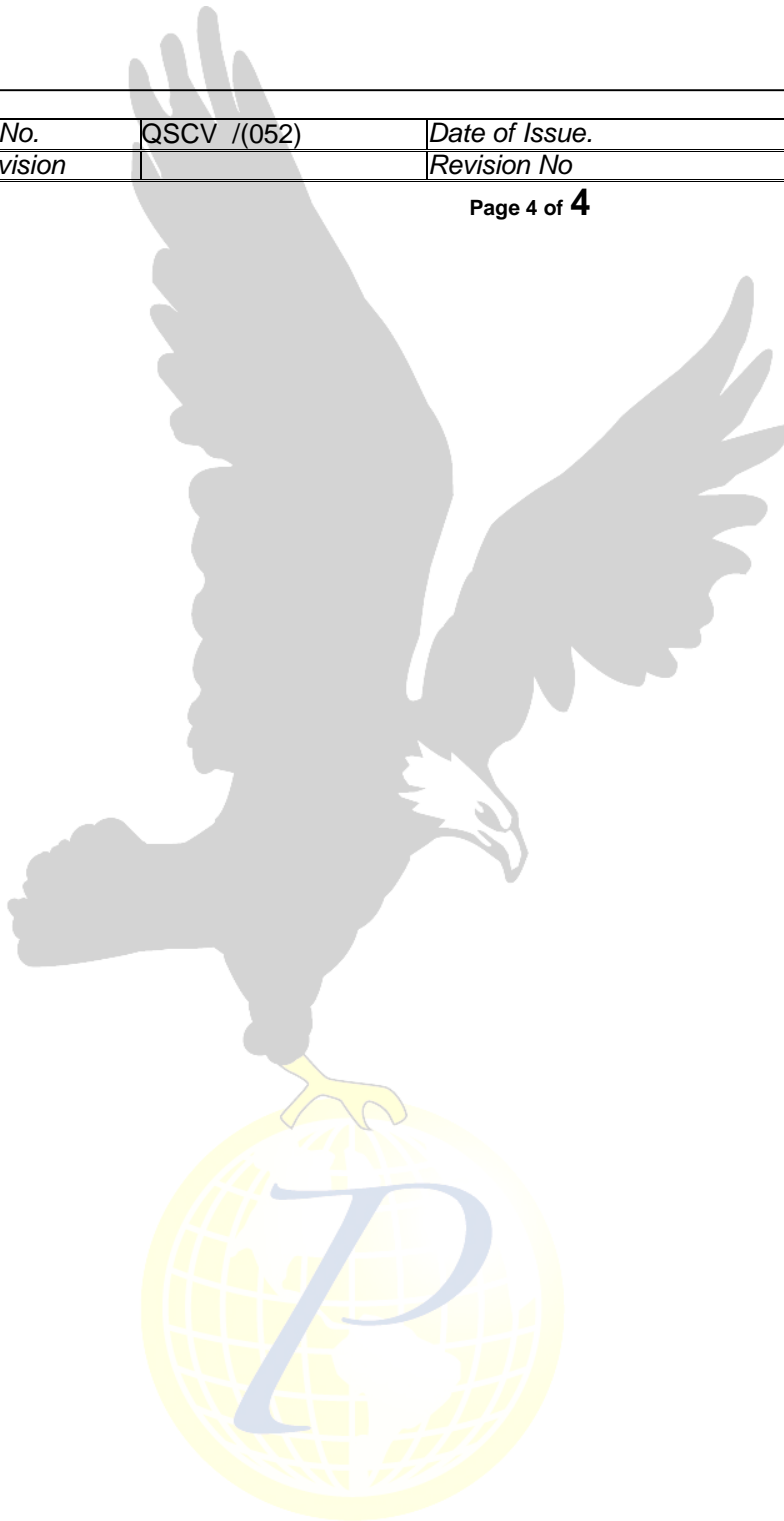
7.DEFECT & SIZE TOLERANCE (BY WEIGHT)

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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