



QUALITY STANDARDS

SPECIFICATIONS FOR POMEGRANATE (PNFPL0014)

Anar (Hindi), Dalimbe (Kannada), Maathuzham (Tamil), Danimma (Telugu)

1.VARIANTS

Pomegranate Ganesh (0165010000) Pomegranate Kesar/Bhagwa (0165020000)
Pomegranate Araktha (0165030000)

2.GENERAL CHARACTERISTICS

Pomegranate should be clean, firm, fresh, and mature and should have color and shape characteristics of variety. Pomegranate should be free from cut/crack, holes, bruises and natural brown/black spots. Pomegranate should not be soft, misshaped and should be free from damage caused by birds, packing, pressure, handling and mechanical means. Pomegranate should be sound and free from rotting, fungal infection, insect and disease infestation. Outer rind of pomegranate should have fresh with shiny look.

3.SAMPLING PLAN

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

4.GRADES

There shall be three grades in pomegranate viz., Premium, Grade A and Grade B

5.SIZE

Counts	Ganesh (Dia. In mm)	Kesar (Dia. In mm)	Araktha (Dia. In mm)
12	>90	>85	>85
24	81 - 90	81 - 85	81 - 85
30	71 - 80	76 - 80	76 - 80
48	65 - 70	65 - 75	65 - 75

Note

1.The grade Premium will be applicable only for the variant Kesar.
2.For Premium grade (Kesar), only 12 count is applicable.
3.In A and B Grades there will be 4 counts as mentioned above.

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6. QUALITY PARAMETERS

DEFECTS	PREMIUM (for Kesar)	GRADE-A	GRADE-B
DRY SKIN	Not allowed	Not allowed	Not allowed
BRUISES	Not allowed	Allowed up to 10% surface area	Allowed up to 20% surface area
NATURAL BROWN MARKS ON SURFACE	Allowed up to 10%	Allowed up to 30% surface area	Allowed up to 40% surface area
SOFT/PRESSURE DAMAGE	Not allowed	Allowed up to 5% surface area	Allowed up to 10% surface area
CUT/CRACK	Not allowed	Not allowed	Allowed deep cut/crack upto 2cm long
HOLES	Not allowed	Not allowed	Not allowed
MECHANICAL DAMAGE	Not allowed	Not allowed	Not allowed
DISEASED	Not allowed	Not allowed	Not allowed
MISSHAPE	Not allowed	Not allowed	Allowed (slight misshape)
IMMATURE (Dark green)	Not allowed	Not allowed	Not allowed
BLACK SPOTS ON SURFACE	Not allowed	Not allowed	Allowed upto 10% surface area
INSECT DAMAGE	Not allowed	Not allowed	Not allowed
ROTTING/FUNGAL INFECTED	Not allowed	Not allowed	Not allowed

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7. GRADES AND CRITERIA FOR CHECKING

DEFECTS	PREMIUM (for Kesar)			GRADE-A			GRADE-B		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
DRY SKIN	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	Allowed	N.A.	N.A.
BRUISES	Covering up to 10% surface area	Covering >10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.	20-50% surface area	>50% surface area	N.A.
NATURAL BROWN MARKS ON SURFACE	Covering >10-30% surface area	Covering >30% surface area	N.A.	10-30% surface area	>30% surface area	N.A.	30-50% surface area	>50% surface area	N.A.
SOFT/PRESSURE DAMAGE	N.A.	Allowed	N.A.	5-10% surface area	>10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.
CUT/CRACK	N.A.	Allowed	N.A.	Deep cut/crack up to 2 cm. long	Deep cut/crack >2cm. long.	N.A.	Deep cut/crack 2-4 cm long	Deep cut/crack >4 cm. long	N.A.
HOLES	N.A.	Allowed	N.A.	up to 2 holes (if no juice seepage)	>2 holes (with or without juice seepage)	N.A.	N.A.	Allowed	N.A.
MECHANICAL DAMAGE	N.A.	Allowed	N.A.	up to 1sq. cm surface area	>1sq.cm surface area	N.A.	1-2 sq. cm. surface area	> 2 sq. cm. surface area	N.A.
DISEASED	N.A.	Allowed	N.A.	N.A.	N.A.	up to 1% in a lot	N.A.	N.A.	up to 2% in a lot

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DEFECTS	PREMIUM (for Kesar)			GRADE-A			GRADE-B		
	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS	MINOR	MAJOR	SERIOUS
MISSHAPE	Allowed	N.A.	N.A.	Slight misshape	Allowed	N.A.	Allowed	N.A.	N.A.
IMMATURE (Dark green)	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.

BLACK SPOTS ON SURFACE	Covering up to 5% surface area	Covering >5% surface area	N.A.	5-10% surface area	>10% surface area	N.A.	10-20% surface area	>20% surface area	N.A.
INSECT DAMAGE	N.A.	N.A.	Allowed	N.A.	Allowed	N.A.	N.A.	Allowed	N.A.
ROTTING/ FUNGAL INFECTED	N.A.	N.A.	Allowed	N.A.	N.A.	up to 1% in a lot	N.A.	N.A.	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 Premium, Grade A and B means it is allowed in that particular grade.

8. DEFECT & SIZE TOLERANCE (BY WEIGHT)

DEFECT TOLERANCE	PREMIUM	GRADE-A	GRADE- B
MINOR DEFECTS	5%	10%	20%
MAJOR DEFECTS	1%	2%	10%
SERIOUS DEFECTS	NIL	1%	2%
SIZE TOLERANCE	10%	10%	20%

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