

Seed Analysis Card

Seed Laboratory, Gandaki Province

Pokhara, Kaski

Kind:
Date of Registration:
Weight of sample (g):
Balance name:

Variety:
Class:
Lot number/Mark:
Test desired:

Laboratory Number

Weight of working sample (g)

(a) Original:

(b) Final:

Physical Purity Test

Components		Grams	%	Grams	%	Average %	Kind and number of admixtures	Remarks
Pure Seed								
Other Crop Seed								
Weed seed	Common							
	Objectionable							
	Total							
Inert Matter								
Total							Analyzed by: _____	Date: _____
							Unit in-charge: _____	Date: _____

Moisture Test

Methods	i	ii	iii	Average %	Remarks
By Oven					
By Meter					
Analyzed by: _____				Date: _____	
Unit in-charge: _____				Date: _____	

Other Seed Determination

Components	No/kg
Other Distinguishable Variety	
Other Crop Seed	
Weed Seed	
Analyzed by: _____	Date: _____
Unit in-charge: _____	Date: _____

1000 Seed Weight Test (g)

Test 1 (8 Replications)						Test 2 (16 Replications)					
100 seeds	x	x^2	100 seeds	x	x^2	100 seeds	x	x^2	100 seeds	x	x^2
R1			R5			R9			R13		
R2			R6			R10			R14		
R3			R7			R11			R15		
R4			R8			R12			R16		
$\sum =$			$\sigma =$			$\sum =$			$\sigma =$		
$\sum^2 =$			CV			$\sum^2 =$			$x \pm 2 \times \sigma = \dots$ to \dots		
$X =$			1000 Seed Weight = $X \times 10 = \dots$ g			$X =$			$X =$		
Variance =						Variance =			$X \times 10 = \dots$ g		
Analyzed by: ...						Date: ...					
Unit in-charge: ...						Date: ...					

Germination Test

Seed Laboratory, Gandaki Province

Pokhara, Kaski

Germination test begun:

Substratum:

Temperature:

Special treatment:

Quantity of Lot:

Kind:

Variety:

Production year:

Balance name/type:

Germinator number/type:

Laboratory Number

Seed placed by:

Number of seeds tested: 400 seeds

Name of Oven:

Date of count				Replications										Tolerance		Remarks
				1	2	3	4	5	6	7	8	Total	Average %	For repeated tests	Two	
Normal seedlings	... First count ... Days															
	... Final count ... Days															
	Total															
Abnormal seedlings	Damaged seedlings	Cotyledon/shoot	a. Cracked													
			b. Completely separated													
		Badly cracked and splitted	Hypocotyls													
			Epicotyls													
			Cotyledons													
		Coleoptile	Damaged													
			Broken													
		Primary roots	Split													
			Stunted													
			Missing													
	Primary shoots	Retarded														
		Spindly														
	Deformed or unbalanced seedling	Hypocotyl	Short and thick													
		Mesocotyl														
		Epicotyl														
		Epicotyl	Long, twisted and spiraled													
		Coleoptile														
		Coleoptile	Split													
		Cotyledons	Curled													
			Discolored or necrotic													
	Seedlings	Spindly or glassy														
Decayed seedlings																
Total																
Ungerminated seeds	Fresh															
	Hard															
	Dead															
	Total															
Grand total																

Analyzed by: _____

Unit in-charge: _____

Date: _____

Date: _____