

Seed Analysis Card

Seed Laboratory, Gandaki Province
Pokhara, Kaski

Kind: Brassica juncea Name of oven: 1
Variety: Marpha Balance name/type:
Chaudapat
Class: Certified Purity (test): Yes
Quantity of lot: 400 Moisture (test): Yes
Production year: 2077 Thousand seed weight (test):

1

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 ...		
$\bar{X} =$			1000 Seed Weight = $X \times 10 = \dots$ g			$\bar{X} =$			$\bar{X} =$		
Variance =						Variance =			$X \times 10 = \dots$ g		
Analyzed by: ...						Date: ...					
Unit in-charge: ...						Date: ...					

Seed Analysis Card

Seed Laboratory, Gandaki Province
Pokhara, Kaski

Kind: Onion Name of oven: 2
Variety: Red creole Balance name/type:
Class: Foundation Purity (test): Yes
Quantity of lot: Moisture (test): No
Production year: 2078 Thousand seed weight (test):

2

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 ...		
$\bar{X} =$			1000 Seed Weight = $\bar{X} \times 10 = \dots$ g			$\bar{X} =$			$\bar{X} =$		
Variance =						Variance =			$\bar{X} \times 10 = \dots$ g		
Analyzed by: ...						Date: ...					
Unit in-charge: ...						Date: ...					

Germination Test

Seed Laboratory, Gandaki Province
Pokhara, Kaski

Germination test begun:	Ashar 20, 2078	Variety:	Marpha Chaudapat
Substratum:	BP	Production year:	2077
Temperature:	20	Balance name/type:	
Special treatment:	Pre-chilling	Germinator number/type:	Germination cabinet 1
Quantity of lot:	400	Number of seeds tested:	400
Seed placed by:	Manjit Rana	Purity (test):	Yes
Name of oven:	1	Germination (test):	Yes
Kind:	Brassica juncea	Moisture (test):	Yes

1

Laboratory Number

Date of count				Replications										Tolerance		Remarks
				1	2	3	4	5	6	7	8	Total	Average %	For repeated tests	Two	
Normal seedlings	... First count <u>3</u> Days															
	... Final count <u>22</u> 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: _____

Germination Test

Seed Laboratory, Gandaki Province
Pokhara, Kaski

Germination test begun:	Ashar 25, 2078	Variety:	Red creole
Substratum:	TP	Production year:	2078
Temperature:	20	Balance name/type:	
Special treatment:		Germinator number/type:	Room germinator 1
Quantity of lot:		Number of seeds tested:	400
Seed placed by:	Deependra Dhakal	Purity (test):	Yes
Name of oven:	2	Germination (test):	Yes
Kind:	Onion	Moisture (test):	No

2

Laboratory Number

Date of count				Replications										Tolerance		Remarks	
				1	2	3	4	5	6	7	8	Total	Average %	For repeated tests	Two		
Normal seedlings	... First count <u>2</u> Days																
	... Final count <u>11</u> 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: _____