## Seed Analysis Card

Seed Laboratory, Gandaki Province Pokhara, Kaski

Kind: Variety:			Brassic Marph	a	cea		ame of ov alance na		ype:	pe:						1		
Class:			Chauda Certifie			Ρı	urity (tes	t.):		Yes					Laboratory Number			
Quantity of	f lot:	:	400	<i>-</i>			oisture (t			Yes					Laboratory Ivamber		111001	
Production			2077				\	,	weight (test)									
·						0 ( )												
									Weight of v	vork	ing	sample (g)						
Physical P	urit	v Te	st						(a) Origina									
1 Hy Steat 1	<b></b>	<i>y</i> <b>1</b> 0	50						(b) Final:									
	1					04	0	07										
Components Gra			Gra	ms	%	Grams	%	Average %				er	OI	Ren	ıarks			
Pure Seed										adı	ШХ	tures						
Other Crop	Soc	nd.																
Weed seed		ommo																
weed seed			ionable															
		tal																
Inert Matte		vai																
mert watter								Δ	nalv	zed by:				ate.				
Total							$\frac{\Lambda}{U}$	nit i	n-charge: _		_	$\frac{D}{D}$						
									Other			etermin						
Moisture	• <b>T</b> e	est										eteriiiii	au	OII	I No	/1-~		
Methods	i	ii	iii	Ave	rag	e %	Remai	rks		Other Distinguishable Variety						o/kg		
By Oven										Other Distinguishable Variety								
By Meter										Other Crop Seed								
Analyzed	bw.			Da	te.				Weed Seed									
Unit in-cl				Da Da	te:				Analyze	Analyzed by: Date:								
O III o III o	iiai 8	,c		. Da					Unit in-	char	ge:		Ι	Date	»:		_	
1000	Soor	1 11/0	ight Te	ct (r)														
			$\frac{1gint}{ations}$	si (g)					Test 2 (16	Rep	licat	ions)						
100 se				seeds	x	$x^2$			100 seeds		$\frac{1}{x^2}$	100 seeds	$\overline{x}$	$x^2$				
R1			R5						R9			R13						
R2			R6						R10			R14						
R3			R7						R11			R15						
	R4 R8						R12			R16								
$\sum = \sum_{i=1}^{2} -$			$\sigma = \frac{\Gamma}{\Gamma}$						$\sum_{2} =$	$\sum = \qquad \qquad \sigma = $ $\sum^{2} = \qquad \qquad x \pm 2 \times \sigma = \dots \text{to} \dots$								
$\sum_{1}^{2} = X$									$\sum = \frac{\sum^2}{X} = \frac{X}{X} $			$X \pm 2 \times \sigma = X = X = X = X = X = X = X = X = X =$			•••			
Variar	ice =		1000	) Seed	Wei	ght =	$= X \times 10$	=	g Variance =	=		$X = X \times 10 = X \times 10$	9	<u>r</u>	-			
Analyzed by:						Date:												

Date: ...

Unit in-charge: ...

## Seed Analysis Card

Seed Laboratory, Gandaki Province Pokhara, Kaski

Kind: Variety:			Onion Red cr	nion Name of oven: d creole Balance name/type:						2 <b>2</b>						
Class:			Founda				irity (tes	,	уре.		Yes		-			
Quantity of	· lot·		i oanac	101011			oisture (1	,		No Labor						er
Production Production			2078						weight (test)		110					
									Weight of							
Physical P	urit	y Tes	$\mathbf{t}$						` ,							
									(b) Final:							
Component	S			Gran	ns	%	Grams	%	Average %	Ki	nd	and numb	er	of	Remarks	
1									O			tures				
Pure Seed																
Other Crop	See	d														
Weed seed		mmo	n													
	Ob	jectio	onable													
	То															
Inert Matte	er															
m 1									A	naly	zed by:			Date:		
Total															Date:	
7. / · ·									Other S	See	$\overline{\mathrm{d}\;\mathrm{D}}$	etermin	ati	on		
Moisture	_		T T			~1			Compon	ents					No/kg	
Methods	i	ii	iii	Aver	age	e %	Rema	rks				ishable Va	arie	t.v		
By Oven													<i>J</i> 110	y		
By Meter										Other Crop Seed						
Analyzed	by:			Dat	te:					Weed Seed						
Unit in-cl				Dat	te:					Analyzed by: Date:						
									Unit in-	Unit in-charge: Date:						
1000	Seed	Wei	ght Te	st (g)												
Test 1			_	(6)					Test 2 (16	Rep	olicat	ions)				
I		$x \mid x$	$\frac{2}{100}$		x	$x^2$						100 seeds	x	$x^2$		
R1			R5						R9			R13				
R2			R6						R10			R14				
R3			R7 R8						R11 R12			R15 R16				
$\frac{R4}{\Sigma} =$			$\sigma = \frac{\kappa \delta}{\sigma}$						$\sum =$			$\sigma =$				
$\sum_{i=1}^{2} \frac{\delta_{i}}{\sum_{i=1}^{2}} = \frac{\delta_{i}}{\sum_{i=1}^{2}}$						$\sum^2 =$	$\sum = 0 = $ $\sum^2 = x \pm 2 \times \sigma = \dots \text{to} \dots$									
X =						1.	T. 10		V _			X = X = X = X	•••			
Varian	ice =	:	1000	Seed	Wei	ght =	$= X \times 10$	=	g Variance =	=		$X \times 10 =$	2	r 5		
Analyz	zed b	y:							Date:							
Unit in	n-cha	rge: .							Date:	Date:						

## Germination Test

Seed Laboratory, Gandaki Province Pokhara, Kaski

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

Yes

Moisture (test):

Kind:

 ${\bf Brassica}$ 

juncea

Date of count				Re	plic	atio	ons				Tolerance	Remarks				
Date of count				1	2	3	4	5	6	7	8	Total	Average %	For repeated tests	Two	
Normal	Normal First count <u>3</u> Days															
seedlings		al count <u>22</u> Days														
seedings	Total															
		Cotyledon/shoot	a. Cracked													
		Cotyledon/shoot	b. Completely separated													
	ngs	D II 1 1	Hypocotyls													
	dli.	Badly cracked	Epicotyls													
	see	and splitted	Cotyledons													
	pe	Coleoptile	Damaged													
	Badly cr and split Coleoptii	Coleoptile	Broken													
	)an		Split													
Abnormal seedlings		Primary roots	Stunted													
llin	Abnorma seedlings I		Missing													
Abr		Primary shoots	Retarded													
7 6			Spindly													
	5.0	Hypocotyl	Short and thick													
	ing	Mesocotyl														
	edl	Epicotyl														
	or Se	Epicotyl	Long, twisted													
	g ced	Coleoptile	and spiraled													
	lan Ian	Coleoptile	Split													
	Deformed or unbalanced seedling	Cotyledons	Curled													
	De m	J	Discolored or													
			necrotic													
		Seedlings	Spindly or glassy													
Decayed seedling	າຕຣ		grassy													
Total	- <sub>9</sub> ,															
20001	Fresh															
Ungerminated	Hard															
seeds	Dead															
	Total															
Grand total	I															

Analyzed by:	Date:
Unit in-charge:	Date:

## Germination Test

Seed Laboratory, Gandaki Province Pokhara, Kaski

Germination test begun:	Ashar 25, 2078	Variety:	Red creole	
Substratum:	TP 20	Production year: Balance name/type:	2078	2
Temperature: Special treatment:	20	Germinator number/type:	Room germinator 1	Laboratory Number
Quantity of lot:		Number of seeds tested:	400	
Seed placed by:	Deependra Dhakal	Purity (test):	Yes	

Yes

No

Germination (test):

Moisture (test):

 $\overline{2}$ 

Onion

Name of oven:

Kind:

Date of count				Re	plic	atio	ons				Tolerance	Remarks				
Date of count				1	2	3	4	5	6	7	8	Total	Average %	For repeated tests	Two	
Normal	Normal First count <u>2</u> Days															
seedlings		al count <u>11</u> Days														
becamings	Total															
		Cotyledon/shoot	a. Cracked													
			b. Completely													
	SS		separated													
	Damaged seedlings	Badly cracked	Hypocotyls													
	ed]	and splitted	Epicotyls													
	es l		Cotyledons													
	ged	Coleoptile	Damaged													
	ກສູ	0 3 3 3 4 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Broken													
	Эал		Split													
Abnorma seedlings	Primary roots	Stunted														
Abnormal			Missing													
Ab		Primary shoots	Retarded													
" "			Spindly													
	50	Hypocotyl	Short and thick													
	jing	Mesocotyl														
	edl	Epicotyl														
	or   se	Epicotyl	Long, twisted													
	Deformed or unbalanced seedling	Coleoptile	and spiraled													
	lan Time	Coleoptile	Split													
	for ba]	Cotyledons	Curled													
	De un		Discolored or													
			necrotic													
	Seedlings		Spindly or													
D 1 11:		8.	glassy													
Decayed seedlin	ıgs															
Total	Б. 1															
	Fresh															
Ungerminated	Hard															
seeds	Dead															
	Total															
Grand total																

Analyzed by:	Date:
Unit in-charge:	Date: