



USDA Forest Service, National Seed Laboratory

5675 Riggins Mill Road

Dry Branch, GA 31020

Laboratory Report Of Analysis



Institute for Applied Ecology
4950 SW Hout St.
Corvallis, OR 97333

Account No.	Date Received	Date Completed	Lab Number
1250	10/26/23	11/08/23	24-0111

Information Provided by Sender

Variety	VNS
Kind	American bird's-foot trefoil
Genus/Species	Acemispom americanus
Lot Number	ACMAME-WV-23-2-IAEVEG-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 47.03 grams						
American bird's-foot trefoil <i>Acemispom americanus</i>	99.72%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.28%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
		For: USA	

Weed Seeds	None Found	Other Determinations	
		TZ test <i>American bird's-foot trefoil</i>	95 %

Remarks

Tetrazolium test: 95% of seeds were viable.

Pure Live Seed (PLS) = 95% based on tz test result.

Status: Completed

Tests Requested: Purity, TZ test. No other tests requested.

WARRANTY: We warrant that the purity and germination test results reported on this form have been carried out in accordance with AOSA rules unless otherwise specified. Test results reflect the condition of the submitted sample and may not reflect the condition of the seed lot from which the sample was taken.
DISCLAIMER OF WARRANTIES: WE MAKE NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Signature: 
Victor Vankus, Director



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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/18/23	24-0012

Information Provided by Sender

Variety	VNS
Kind	narrowleaf onion
Genus/Species	Allium ampletens
Lot Number	ALLAMP-WV-23-1-IAEBPP-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 5.0316 grams						
narrowleaf onion <i>Allium ampletens</i>	99.75%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.25%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test narrowleaf onion	96 %

Remarks
Tetrazolium test: 96% of seeds were viable.
Pure Live Seed (PLS) = 96% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/19/23	24-0016

Information Provided by Sender

Variety	VNS
Kind	Tolmie star-tulip
Genus/Species	Calochortus tolmiei
Lot Number	CALTOL-WV-23-1-IAEBPP-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 4.1518 grams						
Tolmie star-tulip <i>Calochortus tolmiei</i>	99.80%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.20%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test Tolmie star-tulip	94 %

Remarks
Tetrazolium test: 94% of seeds were viable.
Pure Live Seed (PLS) = 94% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/19/23	24-0015

Information Provided by Sender

Variety	VNS
Kind	large camas
Genus/Species	Camassia leichtlinii
Lot Number	CAMLEI-WV-23-1-IAEVEG-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 7.4518 grams						
large camas <i>Camassia leichtlinii</i>	99.93%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.07%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test large camas	100 %

Remarks
Tetrazolium test: 100% of seeds were viable.
Pure Live Seed (PLS) = 100% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/19/23	24-0014

Information Provided by Sender

Variety	VNS
Kind	small camas
Genus/Species	Camassia quamash
Lot Number	CAMQUA-WV-23-1-IAEBPP-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 8.6833 grams						
small camas <i>Camassia quamash</i>	100.00%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.00%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test <i>small camas</i>	99 %

Remarks
Tetrazolium test: 99% of seeds were viable.
Pure Live Seed (PLS) = 99% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/19/23	24-0013

Information Provided by Sender

Variety	VNS
Kind	splitawn sedge
Genus/Species	Carex tumulicola
Lot Number	CARTUM-WV-23-1-IAEBPP-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 2.7987 grams						
splitawn sedge <i>Carex tumulicola</i>	99.71%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.29%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test splitawn sedge	93 %

Remarks
Tetrazolium test: 93% of seeds were viable.
Pure Live Seed (PLS) = 93% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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TURF TECH, Inc.

USA Accredited Seed Laboratory, U.S. OECD Authorized Entity & CFIA Accredited Grader
33789 HWY. 99E, P.O. BOX 287, TANGENT, OR 97389

TEL: 541-926-3959, FAX: 541-926-5370, E-mail: Test1st@turftech.biz, www.turftech.biz

REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 09/09/21		DATE COMPLETED 10/13/21		LAB NO. WH-10901 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: (541) 753-3099 ext. Cc: Emily @appliedeco.org		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: Epilobium				Purity: X			
		Variety: Densiflorum				Germination: X			
		Lot #: EPIDEN-WV-18-1-TRIA				TZ: —			
		Size of Lot: 404#				UGS: —			
		Field Number:				Soil &/or Ergot: —			
		Sample Type:				Crop & Weed: —			
		Other Information:				Other: —			
		Unit c, Shelf 2				Rush: —			
PURITY ANALYSIS 1.231 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%		%	%	%	%			%	%
Epilobium 99.57		93.0	X	X	X	400	21	X	X
Other Crop Seed: 0.00		COMMENTS: Normal seedlings 93%, Abnormal seedlings 2%, Dead seeds 5%							
Inert Matter: 0.43									
Weed Seed: 0.00									
Total: 100.00									
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 13.23 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB							
None		None							
INERT MATTER: Broken seed, Chaff		OTHER DETERMINATIONS: None							
WEED SEED: No./LB						Date Issued: 10/21/21			
None									
Rules followed : AOSA						GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029			

QMSDOC116

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 05/24/22		DATE COMPLETED 07/22/22		LAB NO. EL-20501 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: (541) 753-3099 ext.		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: ERIOPHYLLUM LANATURN Variety: Lot #: ERILAN-WV-21-1-TRIA-WVNPP Size of Lot: 46.9# Field Number: Sample Type: Other Information:				Purity: X Germination: X TZ: X UGS: - Soil &/or Ergot: - Crop & Weed: - Other: - Rush: -			
PURITY ANALYSIS 1.2799 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds	Days Tested	Test Fluor.	TZ
%		%	%	%	%	%	%	%	%
ERIOPHYLLUM 97.26 LANATURN Other Crop Seed: 0.01 Inert Matter: 2.72 Weed Seed: 0.01 Total: 100.00		66.0	X	X	66.0	400	30	X	78.0
		COMMENTS:							
		66% normal seedlings, 34% dead seedlings, and 0% abnormal seedlings.							
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 8.9 GMS. ANALYZED:							
		(Except for HI & Undesirable Grass Seeds)							
Common Yarrow 51 0.01		No./LB Mayweed 51 Amaranthus 51							
INERT MATTER: Broken seed Stem, Sterile floret, Soil, Chaff		OTHER DETERMINATIONS:							
		None							
WEED SEED: No./LB				Date Issued: 07/22/22					
Rough Hawkbit 51				 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Roundleaf Toadflax 102									
Prickley Lettuce 102									
Spiny Sowhistle 204									
Rules followed : AOSA									

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:	DATE RECEIVED 09/01/22	DATE COMPLETED 01/20/23	LAB NO. IRT-20901 AE					
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: 681-318-0527	SENDERS INFORMATION Kind: Iris tenax Variety: Lot #: IRITEN-WV-22-1-IAEVEG-WVNPP Size of Lot: Field Number: Sample Type: Other Information:		SERVICE REQUESTED Purity: Germination: TZ: - UGS: - Soil &/or Ergot: - Crop & Weed: - Other: - Rush: -					
	PURITY ANALYSIS 5.0966 Grams Used							
VIABILITY ANALYSIS								
PURE SEED COMPONENT(S)	Germ-ination %	Dormant %	Hard Seed %	Total Viable %	No. of Seeds Germed	Days Tested	Test Fluor. %	TZ %
Iris tenax 95.19	81.0	X	X	81.0	400	104*	X	88.0
Other Crop Seed: 0.00 Inert Matter: 4.81 Weed Seed: 0.00 Total: 100.00	COMMENTS: *includes Warm 21 day prechill *includes cold 42 day prechill 81% normal seedlings, 19% dead seeds, and 0% abnormal seedlings.							
OTHER CROP SEED: No./LB % None	ALL STATES NOX. WEEDS 50 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB None							
INERT MATTER: Rodnet droppings Broken seed, Sclerotia, Chaff	OTHER DETERMINATIONS: None							
WEED SEED: No./LB None			Date Issued: 01/23/23  GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Rules followed : AOSA								

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Account No.	Date Received	Date Completed	Lab Number
1250	10/06/23	10/26/23	24-0017

Information Provided by Sender

Variety	VNS
Kind	toughleaf iris
Genus/Species	Iris tenax
Lot Number	IRITEN-WV-23-1-IAEVEG-WVNPP
Class	Service

Purity Analysis		Viability Analysis				
Component	Purity	Germ Date	Germ	Dormant	Hard	Viable
in 15.2671 grams						
toughleaf iris <i>Iris tenax</i>	99.06%	-N-	-N-	-N-	-N-	-N-
Weed seed	0.00%					
Crop seed	0.00%					
Inert matter	0.94%					

Other Crop Seeds	None Found	Noxious Weed Seeds	None Found
			(P)Prohibited Noxious (R)Restricted Noxious

Weed Seeds	None Found	Other Determinations	
		TZ test toughleaf iris	85 %

Remarks
Tetrazolium test: 85% of seeds were viable.
Pure Live Seed (PLS) = 84% based on tz test result.

Status:	Completed
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Tests Requested:	Purity, TZ test. No other tests requested.
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Victor Vankus, Director





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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 03/29/21		DATE COMPLETED 10/13/21		LAB NO. LN-10301 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: (541) 753-3099 ext.		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: Lomatium nudicaule Variety: Barestem biscuitroot Lot #: LOMNUD-WV-20-1-IAEVEG Size of Lot: 153# Field Number: Sample Type: Other Information:				Purity: X Germination: X TZ: — UGS: — Soil &/or Ergot: — Crop & Weed: — Other: — Rush: —			
PURITY ANALYSIS 52.50 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%		%	%	%	%			%	%
Lomatium nudicaule 97.65		33.0	X	X	X	400	120^	X	X
Other Crop Seed: 0.00		COMMENTS: ^Includes 6 week prechill Normal seedlings 33%, Abnormal seedlings 2%, Dead seeds 65%							
Inert Matter: 2.35									
Weed Seed: 0.00									
Total: 100.00									
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 520.5 GMS. ANALYZED:							
None		(Except for HI & Undesirable Grass Seeds) No./LB							
		None							
INERT MATTER: Stem, Broken seed, Leaves, Chaff & Insect.		OTHER DETERMINATIONS:							
None		None							
WEED SEED: No./LB				Date Issued: 10/26/21					
None				 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Rules followed : AOSA									

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 09/21/21		DATE COMPLETED		LAB NO. BRO-10901 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: (541) 753-3099 ext.		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: Lomatium				Purity: X			
		Variety: Nudicaule				Germination: X			
		Lot #: LOMNUD-WV-21-1-IAEVEG				TZ: —			
		Size of Lot: 30#				UGS: —			
		Field Number:				Soil &/or Ergot: —			
Sample Type:				Crop & Weed: —					
Other Information:				Other: —					
Rush: —									
PURITY ANALYSIS 38.3 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%		%	%	%	%	%	%	%	%
Lomatium 96.38		X	X	X	X	X	X	X	X
Other Crop Seed: 0.00		COMMENTS:							
Inert Matter: 3.62									
Weed Seed: 0.00									
Total: 100.00									
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 380 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB							
None		None							
INERT MATTER: Broken seed, Stem, Chaff		OTHER DETERMINATIONS: None							
WEED SEED: No./LB						Date Issued: 10/15/21			
None						 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029			
Rules followed : AOSA									

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:	DATE RECEIVED 12/20/22		DATE COMPLETED 04/05/23		LAB NO. BR-21201 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: 681-318-0527	SENDERS INFORMATION						SERVICE REQUESTED	
	Kind: LOMATIUM NUDICAULE						Purity: X	
	Variety:						Germination: X	
	Lot #: LOMANUD-WV-22-1-IAEVEG-WVNPP						TZ: X	
	Size of Lot:						UGS: -	
	Field Number:						Soil &/or Ergot: -	
	Sample Type:						Crop & Weed: -	
Other Information:						Other: -		
Rush: -								
PURITY ANALYSIS 38.2 Grams Used		VIABILITY ANALYSIS						
PURE SEED COMPONENT(S)	Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%	%	%	%	%			%	%
LOMATIUM 95.48	81.0	X	X	X	400	68*	X	83.0
NUDICAULE								
Other Crop Seed: 0.01	COMMENTS: *includes 68 day prechill 81% normal seedlings, 16% dead seeds, and 3% abnormal seedlings.							
Inert Matter: 4.51								
Weed Seed: 0.00								
Total: 100.00								
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 380.2 GMS. ANALYZED:						
Plectritis Congesta 2 0.01		(Except for HI & Undesirable Grass Seeds) No./LB						
		None						
INERT MATTER:		OTHER DETERMINATIONS:						
Broken seed, Stem, and Chaff		None						
WEED SEED: No./LB		Date Issued: 04/05/23						
None				 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029				
Rules followed : AOSA								

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TURF TECH, Inc.

USA Accredited Seed Laboratory, U.S. OECD Authorized Entity & CFIA Accredited Grader

33789 HWY. 99E, P.O. BOX 287, TANGENT, OR 97389

TEL: 541-926-3959, FAX: 541-926-5370, E-mail: Test1st@turftech.biz, www.turftech.biz

REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 08/12/20		DATE COMPLETED 08/20/20		LAB NO. POT-00801 KG			
Kenagy Family Farm Mr. Peter Kenagy 1640 Nebergall Loop Road Albany, OR 97321 Tel/Fax: (541) 926-8038 Cell: (541) 905-1011		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: Potentilla gracilis Variety: Lot #: B39-20-NSNPOT Size of Lot: Field Number: Sample Type: Other Information:				Purity: X Germination: — TZ: X UGS: — Soil &/or Ergot: — Crop & Weed: — Other: — Rush: —			
PURITY ANALYSIS 1.339 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%		%	%	%	%			%	%
Potentilla gracilis	98.54	X	X	X	X	X	X	X	90.0
Other Crop Seed:	0.02	COMMENTS:							
Inert Matter:	0.94								
Weed Seed:	0.50								
Total:	100.00								
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 10.34 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB							
Rough bluegrass	339 0.02	None							
INERT MATTER: Soil, Broken seed, Stem & Sterile floret.		OTHER DETERMINATIONS: None							
WEED SEED: No./LB				Date Issued: 08/20/20					
Groundsel	2,373			 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Checkermallow	339								
Rules followed : AOSA									

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:	DATE RECEIVED 09/25/20	DATE COMPLETED 10/02/20	LAB NO. SH-00901 KG					
Kenagy Family Farm Mr. Peter Kenagy 1640 Nebergall Loop Road Albany, OR 97321 Tel/Fax: (541) 926-8038 Cell: (541) 905-1011	SENDERS INFORMATION		SERVICE REQUESTED					
	Kind: Prunella vulgaris Variety: Self Heal Lot #: B39-20-NSNSH Size of Lot: 399# Field Number: Sample Type: Other Information:		Purity: X Germination: — TZ: X UGS: — Soil &/or Ergot: — Crop & Weed: — Other: — Rush: —					
PURITY ANALYSIS 2.521 Grams Used	VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)	Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%	%	%	%	%			%	%
Prunella vulgaris 99.12	X	X	X	X	X	X	X	92.0
Other Crop Seed: 0.00 Inert Matter: 0.83 Weed Seed: 0.05 Total: 100.00	COMMENTS:							
OTHER CROP SEED: No./LB %	ALL STATES NOX. WEEDS 25.52 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB							
None	Brassica spp. 54							
INERT MATTER: Soil & Broken seed.	OTHER DETERMINATIONS: None							
WEED SEED: No./LB			Date Issued: 10/02/20					
None			 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Rules followed : AOSA								

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TANGENT SEED LAB INT'L.

Phone: (541) 928-4014

www.tangentseedlab.com

Fax: (541) 928-5178

P.O. Box 331/33485 HWY 99E, Tangent OR 97389

Report of Seed Analysis

NAME AND ADDRESS: Kenagy Family Farm Inc. 1650 Northeast North Nebergall Loop Albany OR 97321 GROWER NAME AND ADDRESS: c/c: sbradleyschmidt@gmail.com	DATE RECEIVED Oct-11-2022	DATE COMPLETED Oct-15-2022	LAB NO. M9985M-1
	SENDERS INFORMATION* KIND: Selfheal VARIETY: Not Stated. GENUS/SPECIES: Not stated. LOT NUMBER: B39-22-NSNSH SIZE OF LOT: Not Stated. FIELD NUMBER: Not stated. SAMPLE TYPE: Submitted Sample OTHER INFORMATION: None.		

*The information provided here is that of the sender and not of the laboratory.

PURITY ANALYSIS

(3.182 GRAMS ANALYZED)

VIABILITY ANALYSIS

¹Viability of hard seed not determined. ²This percentage indicates potentially viable seed.

PURE SEED COMPONENT(S):

Selfheal (*Prunella vulgaris*)

99.97%

Germ-ination %	Dorm-ant %	Hard Seed % ¹	Total Viable % ²	No. Seeds (Germ)	Days Tested	Test Fluor. %	TZ %	
X	X	N/A	X	X	X	X	98	X

OTHER CROP SEED

0.00%

INERT MATTER

0.03%

WEED SEED

0.00%

COMMENTS:

200 Seeds tested in TZ.

OTHER CROP SEED:

None found.

All STATES NOXIOUS WEED SEEDS 30.37

GMS. ANALYZED:

Except Hawaii And Undesirable Grass Seeds

None found.

INERT MATTER: Soil, damaged seed.

% ERGOT N/A

WEED SEED:

None found.

OTHER DETERMINATIONS:

Not Conducted.



Date Issued: Oct-15-2022

Caithlyn Gilbert

SIGNATURE REGISTERED SEED TECHNOLOGIST SEAL #072

AFFILIATE MEMBER OF COMMERCIAL SEED ANALYSTS OF CANADA

TEST CODES AND FEES:

TZ60,P38

RULES FOLLOWED OTHER THAN AOSA:

The Purity and germination test results reported on this form have been carried out in accordance with AOSA rules unless otherwise specified. Test results reflect the condition of the submitted sample and may not reflect the condition of the seed lot from which the sample was taken.





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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 05/24/22		DATE COMPLETED 08/01/22		LAB NO. DCB-20501 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: (541) 753-3099 ext.		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: SIDALCEA MALVIFLORA				Purity: X			
		Variety:				Germination: X			
		Lot #: SIDMAL-WV-21-1-TRIA-WVNPP				TZ: X			
		Size of Lot: 46.1#				UGS: -			
		Field Number:				Soil &/or Ergot: -			
		Sample Type:				Crop & Weed: -			
		Other Information:				Other: -			
						Rush: -			
PURITY ANALYSIS 14.6 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds	Days Tested	Test Fluor.	TZ
%		%	%	%	%	%	%	%	%
SIDALCEA 98.95		74.0	X	X	74.0	400	21	X	87.0
MALVIFLORA									
Other Crop Seed: 0.00		COMMENTS: 74% normal seedlings, 20% dead seedlings, and 6% abnormal seedlings.							
Inert Matter: 1.05									
Weed Seed: 0.00									
Total: 100.00									
OTHER CROP SEED: No./LB %		ALL STATES NOX. WEEDS 140.6 GMS. ANALYZED:							
None		(Except for HI & Undesirable Grass Seeds) No./LB							
		None							
INERT MATTER: Chaff, Sclerotia		OTHER DETERMINATIONS:							
Sterile floret, Broken seed, Soil, Stem		None							
WEED SEED: No./LB				Date Issued: 09/20/22					
None				 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Rules followed : AOSA									

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REPORT OF SEED ANALYSIS

NAMES AND ADDRESSES:		DATE RECEIVED 08/22/22		DATE COMPLETED		LAB NO. WCP-20802 AE			
Institute for Applied Ecology 563 SW Jefferson Ave. Corvallis, OR 97333 Contact #: 681-318-0527		SENDERS INFORMATION				SERVICE REQUESTED			
		Kind: Solidago Lepida Variety: Lot #: SOLLEP-WV-20-1-IAEVEG-WVNPP Size of Lot: Field Number: Sample Type: Other Information:				Purity: X Germination: X TZ: - UGS: - Soil &/or Ergot: - Crop & Weed: - Other: - Rush: -			
PURITY ANALYSIS .0266 Grams Used		VIABILITY ANALYSIS							
PURE SEED COMPONENT(S)		Germ-ination	Dormant	Hard Seed	Total Viable	No. of Seeds Germed	Days Tested	Test Fluor.	TZ
%		%	%	%	%			%	%
Solidago Lepida 34.59		X	X	X	X	X	X	X	19.0
Other Crop Seed: 0.00 Inert Matter: 65.41 Weed Seed: 0.00 Total: 100.00		COMMENTS:							
OTHER CROP SEED: No./LB % None		ALL STATES NOX. WEEDS .25 GMS. ANALYZED: (Except for HI & Undesirable Grass Seeds) No./LB None							
INERT MATTER: Broken seed Stem. Sterile floret, Chaff, Leaves, Soil		OTHER DETERMINATIONS: None							
WEED SEED: No./LB None				Date Issued: 09/01/22 GEETHA P. BANGALORE, LL.B. Registered Seed Technologist, Member Seal No. 029					
Rules followed : AOSA									

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