

# **SEED CERTIFICATION**

***By***

**Dr. Aninda Chakraborty**  
**Dept. of Seed Science and Technology**

# INTRODUCTION

- Seed Certification is a legally sanctioned system for quality control of seed multiplication and production

## **OBJECTIVES:**

- ✓ Identification of new superior varieties
- ✓ Provision of supply of quality seeds by careful maintenance
- ✓ Seed certification procedures and designed to ensure physical and genetic purity
- ✓ Freedom from weed seeds and diseases with good germinability of the certified seed

# Concept of Seed Certification

- 1) The integrity of certified seed growers must be recognized.
- 2) Field inspection must be made by seed inspectors.
- 3) Verification trials to establish identification of varieties must be conducted.
- 4) Maintenance of proper records to establish satisfactory pedigree of seed stocks.
- 5) There should be standards established for purity and germination.
- 6) Sealing seeds to protect both grower and purchaser must be approved.
- 7) Species of farm weeds which would be included within the meaning of noxious weeds, must be defined

# Organization of Certification

Establishment and operation of a seed certification agency

Establishment of minimum seed certification standards

Establishment of procedures for field inspection, seed processing, seed sampling and issuance of seed certification tags

# SEED CERTIFICATION AGENCIES

CSC	Central Seed Committee
CSCB	Central Seed Certification Board
FIS	Federation of International Seed Trade
HSS	Herbage Seed Scheme
ISST	Indian Society of Seed Technology
NSC	National Seeds Corporation
NSDC	National Seeds Development Council.
NSP	National Seeds Programme
NSSL	National Seed Storage Laboratory
SCST	Society of Commercial Seed Technologists
SIDP	Seed Improvement and Development Programme
SRT	Seed Review Team
SSC	State Seed Corporation
SSCA	State Seed Certification Agency
SSCB	State Seed Certification Board
UPS & TDC	Uttar Pradesh Seeds and Tarai Development Corporation



- **Seed certification is done by the Seed Certification Agency (SSCA) of the concerned state or by NSC where such an agency does not exist**

# FUNCTIONS OF NSC

1. Production and supply of foundation & certified seed.
2. To maintain improved seed stocks of improved varieties
3. Export and import of seed
4. Planning the production of breeder seed in consultation with ICAR
5. Providing technical assistance to seeds corporations and private agencies
6. Coordinating market research and sales promotion efforts
7. Providing training facilities for the staff participating in seed industry development
8. Providing certification services to states lacking established and independent seed certification agencies

# REQUIREMENTS OF SEED CERTIFICATION

## General requirements

- ❖ Should be a notified variety under Section-5 of the Indian Seed Act, 1966.
- ❖ Should be in the production chain and its pedigree should be traceable.

## Field standards

- ❖ selection of site, isolation requirements, spacing, planting ratio, border rows etc.

## Specific requirements

- ❖ Presence of off-types in any seed crop, pollen-shedders in Sorghum, Bajra, Sunflower *etc.*, Shedding tassels in maize crosses, disease affected plants, objectionable weed plants *etc.*, should be within the maximum permissible levels for certification.

## Seed standards

- ❖ Minimum seed certification standards have been evolved crop-wise



# PHASES OF SEED CERTIFICATION





Nevada Department of Agriculture
405 S. 21st St.
Sparks, NV 89431

Application for Seed Certification

[Redacted box]

Applicant: [Redacted]
Mailing Address: [Redacted]
Phone: [Redacted]

Grower: [Redacted]
Mailing Address: [Redacted]
Phone: [Redacted]

Crop: [Redacted] Variety Name: [Redacted]
Date Planted: [Redacted] Code Name: [Redacted]
Acres: [Redacted] Experimental Name: [Redacted]
Grower Field Number: [Redacted]
Class of Seed Planted: [Redacted]
Class of Seed to be Produced: [Redacted]

Table with 2 columns: Year, Crop Grown. Multiple rows for data entry.

Seed Purchased From: [Redacted]
Address: [Redacted]

Amount Purchased: [Redacted] Amount Planted: [Redacted]
Lot Number: [Redacted] Certification Number: [Redacted] Grown In: [Redacted]

Location of Field (describe location and include a map to detail the area)
[Redacted]

I agree to abide by all laws and regulations governing the production of certified seed in the State of Nevada and assume responsibility for maintaining the genetic identity and purity at all stages of certification including seeding, harvesting, transporting, processing and labeling.

Signature: [Redacted]

Date: [Redacted]



Seed Program
Official Form

Phone: 775.353.3711 Fax: 775.353.3638 Email: rwillhelm@agri.nv.gov

# PROCEDURE OF SEED CERTIFICATION

1. Establishing Source of Seed
2. Field Area for Certification
3. Unit of Certification
4. Use of Chemical Hybridizing Agents (CHA's)
5. Field Inspection & Re-inspection
6. Harvesting, Threshing and Transportation
7. Seed Lot and Lot size specifications
8. Seed Processing and Seed Treatment
9. Sampling of seeds and Seed Analysis Report
10. Recleaning, Resampling and Retesting
11. Downgrading of Seed Class
12. Packing, Tagging, Sealing-and issuance of the Certificate
13. Refusal for Certification
14. Validity Period of the Certificate
15. Revocation of Certificate
16. Retention of Certification Records

### SAMPLE FORM OF SOWING REPORT

Name and address of the Producer :

Name and address of the grower :

Location of the seed farm :

a. Revenue village :

b. Block :

c. Taluk :

Crop / Variety / Acreage :

Class of seed to be produced :

Quantity of Seeds used (kg/acre) :

Source of seed :

a. Tag number :

b. Purchase Bill No. and date :

Date of sowing :

Signature of the grower :

Signature of the producer

#### Enclosures:

1. Tag for source of seed
2. Purchase bill of the grower

#### FOR OFFICE USE ONLY

Fee remitted :

Bill number and date :

Seed Certification No. :

Seed Certification Officer allotted :

Due dates for field Inspections :

Signature of Assistant Director of  
Seed Certification

## UNIT OF CERTIFICATION

- (a) it is all under one variety and does not exceed 10 hectares
- (c) Not divided into fields separated by more than 50 m between them
- (d) it is planted with seed belonging to the same class and stage in the generation chain
- (e) the crop over the entire area is more or less of the same stage of growth so raised strictly as a single crop
- (j) not grown as inter, companion or ratoon crop

## USE OF CHA's

In hybrid seed production, the seed producer can use proper Chemical Hybridising Agents ('CHAs') on female line in order to induce male sterility and subjected to grow-out test

## **FIELD INSPECTION & RE-INSPECTION**

- The inspection of standing seed crops is an essential step in verifying conformity of seed crops to prescribed certification standards.
- To collect information on cropping history of the field to verify whether the seed field meets the prescribed land requirements.
- The Certification Agency may at its discretion, also perform one or more re-inspections over and above the minimum number of inspections prescribed, if considered necessary

## **SEED PROCESSING**

- Seed processing means cleaning, drying, treating, grading and other operations which will improve the quality of seeds

## SAMPLE APPLICATION FORM FOR PROCESSING REPORT

Processor Name / Address :  
Producer Name / Address :  
Crop / Variety :  
Certification Stage :  
Seed Certification No. :  
Sowing date :  
**Seed farm situated in**  
Block :  
Village :  
Acreage of the seed farm :  
Date of harvest :  
Yield estimated by SCO during field inspection :

The above mentioned seed lot was inspected by me on the date..... This seed lot is properly stored without any contamination of the seeds of other varieties. Kindly request you to provide the processing order to take the seed lots to the processing unit No. .... for processing.

**Signature of the grower**

**Signature of the Producer/representatives**

Name :

Name :

Designation :

Designation:

Date:

Date:

To

Assistant Director of Seed Certification

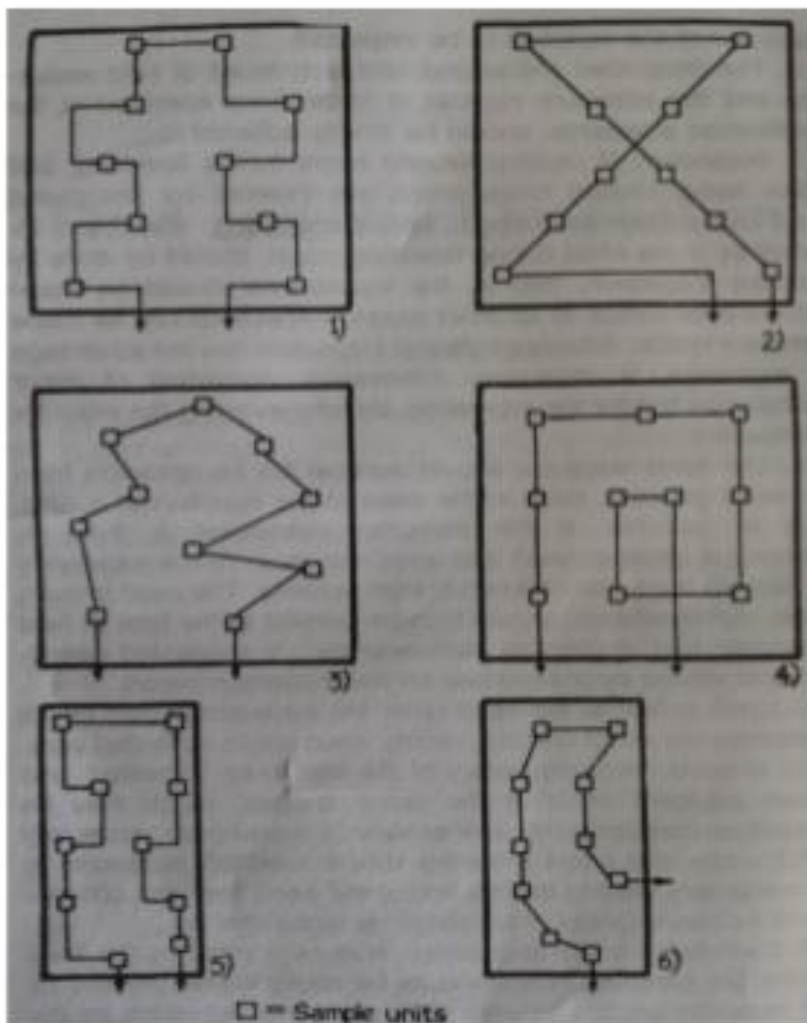
Copy to : Seed Certification Officer

# SEED LOT SIZE

- A seed lot is a physically identifiable quantity of seed which is homogeneous.

<b>Seed Size</b>	<b>Maximum quantity per lot</b>
Paddy, Wheat, Pulses, Cotton, Castor, Sunflower, Groundnut, Cucurbits	20,000 kg
Sorghum, Bajra, Millets, Rapeseed, Mustard, Sesamum, Jute, Cole crops, Brinjal, Chilli, Bhendi, Tomato, Onion	10,000 kg
Maize	40,000 kg





1- observation of 75% of the field

2- observation of 60 to 70% of the field

3- at random

4- clockwise travel pattern

5- observation of 85% of the field

6- observation of 60% of the field

**Fig :- Walking patterns for field inspection**

# UNDERSTANDING A SEED TAG

**GERMINATION RATE**  
Germination percentage by seed variety

**VARIETY AND KIND**  
Variety and kinds of grass contained in the product

**PURE SEED**  
Percentage by weight of each grass variety and kind

**OTHER CROP SEED**  
Other seeds that comprises of 5% or less of the product

**INERT MATTER**  
Non seed materials such as mulch or fertilizer

**WEED SEED**  
Percentage of weed seed contained in the product identified by state

**NOXIOUS WEEDS**  
Number of noxious weed seeds contained per pound. Noxious weeds are regulated and may be restricted by state.

**GUARANTEED ANALYSIS**  
Guaranteed analysis for fertilizer containing products

**LOT NUMBER**  
Production lot identification number

**TEST DATE**  
Germination test date

**SELL BY DATE**  
Sell by date variable by state

**OneStep Complete Seeding Mixture**

For Sun and Shade Areas .6 - 0 - 0    MAT: 100520281  
Sun and Shade Mixture                    NET WT: 5 POUND

---

PURE SEED	VARIETY	KIND	GERMINATION	ORIGIN
4.00%	REBEL XTREME TALL FESCUE		85%	OR
1.80%	PENNINGTON ATF1376 TALL FESCUE		85%	OR
1.70%	VIRTUE II TALL FESCUE		85%	OR
1.00%	BLUE BONNET KENTUCKY BLUEGRASS		80%	WA
0.80%	PENNINGTON ASC295 RED FESCUE		85%	OR
0.70%	SURVIVOR CHEWINGS FESCUE		80%	OR

0.09% OTHER CROP SEED  
89.90% INERT MATTER\*  
0.01% WEED SEED

\*(CONSISTS OF 84.50% MULCH, 5.00% FERTILIZER, 0.40% INERT FROM SEED)

NOXIOUS WEED: NONE FOUND PER POUND

---

**GUARANTEED ANALYSIS: .6 - 0 - 0**

Total Nitrogen (N)..... 0.60%  
0.60% Urea Nitrogen  
Derived From: Urea

**SOIL AMENDING GUARANTEED ANALYSIS**

Active Ingredients:  
84.50% Mulch  
Soil Amendment Inert Ingredients:  
10.50% Seed  
5.00% Fertilizer

INFORMATION REGARDING THE CONTENTS AND LEVELS OF METALS IN THE PRODUCT IS AVAILABLE ON THE INTERNET AT:  
<http://www.aapfco.org/metals.htm>

---

LOT# MH14WWS001

---

TEST DATE 12-14

In AK, AZ, CA, CO, CT, DE, ID, IL, MD, MN  
NC, ND, NE, NH, NJ, NV, NY, OH, OR, PA, SC  
UT, VA, VT and WA SELL BY: ..... 03/31/2016  
In MA, MT, SD, WI and WY SELL BY: ..... 12/31/2015  
In FL SELL BY: ..... 07/31/2015  
In all other states SELL BY: ..... 09/30/2015

GUARANTEED BY:  
Pennington Seed, Inc. P.O. Box 338 Greenfield, MO 65661



# Packing, Tagging, Sealing and Issuance of the Certificate

**Tamil Nadu Agricultural University**  
Coimbatore

**P 0238**

Crop	: Paddy
Variety	: ADT-38
Class of Seed	: BREEDER SEED
Lot No.	: FEB-02-20-EXT-00-01
Date of Test	: 18.6.2003
Pure Seed (Minimum)	: 99.8 %
Inert Matter (Maximum)	: 0.2 %
Germination (Minimum)	: 83.0 %
Genetic Purity (Minimum)	: 100.0 %
Net Weight	: 30kg
Producing Institution	: PROFESSOR (PE & G) Agricultural Research Station PATTUKKOTTAI - 614 602

Agricultural Research Station  
Pattukkottai 614602.

POISON TREATED

The lot number will have four parts

- Month, Year code
- Production Location Code
- Processing Plant Code
- Seed Produce Code

- Certification Agency shall ensure packing, tagging and sealing and issuance of certificate.
- An authorized official of the Certification Agency shall endorse the signature on the reverse of each certification tag and shall affix stamp indicating the official's name and designation.

# Lot number

OCT-16-18-227-07G 12251

Month

Year

State code

Plant code

Zonal code  
(Balangir)

Lot number

**ANAND AGRICULTURAL UNIVERSITY**  
BREEDER SEED      Label No. 773

Crop Mung      Variety Meha      Lot No. 2020

Date of Test 13/04      Pure Seed % 94.5      Inert matter % 1.5

Germination % 85      Genetic Purity % 94.5      Quantity Kg 500

Production Year 2017

Producing Institute Anand Agril. Uni.  
Inspected & Supervised by [Signature]      Approved by [Signature]  
Asst./Asso. Res. Scientist      Research Scientist  
Regional Research Station  
Anand Agricultural University, Anand

GA-15C      NO 222043      **CERTIFIED SEED**

CLASS      CERTIFIED  
KIND      PIGEONPEA  
VARIETY      VAISHALI URGMR-853 2KG  
LOT NO.      FEB-14-16-17 2015-0573  
Date & Test      07-04-2016  
Valid up to      06-04-2017

Producer's Name NAVSARI AGRIL UNIVERSITY  
& Full Address NAVSARI  
(Provided Seed is stored under cool and dry environment)

CERTIFIED BY  
**GUJARAT STATE SEED CERTIFICATION AGENCY**  
AHMEDABAD

Certificate No & Date  
H. J. SARDAR  
A.S.C.C. 312  
G.S.S.C.A.  
SURAT

"Use of the seed after expiry of the validity period by any person is entirely at his risk and the holder of the certificate shall not be responsible for any damage to the buyer of seed. No one should purchase the seed if seal or the certification tag has been tampered with"

**SEED TREATMENT WITH THIURAM POISON**  
OR  
**FOR SEED TREATMENT THIURAM POISON PACKET KEPT INSIDE**  
(DO NOT USE FOR FOOD, FEED OR OIL PURPOSE)

No. 4877

Kind MOONG      Germination (Min) 75 %  
Variety MEHA      Pure Seed (Min) 95 %  
Class Foundation      Inert Matter (Max) 2 %  
Date of Test 02/07/13      Moisture (Max) 8 %  
Valid up to 01/03/14      Weed Seed (Max No.) 50/Kg  
Packing Month/Year JANUARY      Other Crop Seeds (Max No.) 50/Kg  
Net Content 5 Kg

Lot No Key 134-1850 (15) 002888

PRODUCED & MARKETING BY NAVSARI AGRICULTURAL UNIVERSITY  
NAVSARI      Navsari Agricultural University  
Navsari-396450

GA-11-      **CERTIFIED SEED**

CLASS      NO 792158      Certificate No & Date  
KIND      FOUNDATION  
VARIETY      MOONG      5kg  
LOT NO.      MEHA  
Date of Test : MAY-13-05-10PK15X028888  
Valid upto : 02/07/13

Producer's Name NAVSARI AGRICULTURE  
& Full Address NAVSARI  
(Provided Seed is stored under cool and dry environment)

CERTIFIED BY  
**GUJARAT STATE SEED CERTIFICATION AGENCY**  
AHMEDABAD

"Use of the seed after expiry of the validity period by any person is entirely at his risk and the holder of the certificate shall not be responsible for any damage to the buyer of seed. No one should purchase the seed if seal or the certification tag has been tampered with"

B. V. MOYANKA  
ASCC-2DB  
G.S.S.C.A.  
SURAT.

# Truthfully labelled seeds

TABLE	"MAHALAXMI" SEEDS
Kind-COTTON	Germination (min) 66%
Variety-MLCH-22	Pure seed (min) 98%
Lot No.	Inert matter (max) 2%
Date of Test	Other corp seeds (max) 10/kg
Valid up to	Weed seeds (max) 10/kg
Packed	Moisture (max) 10%
	Net wt- 450 gms.

Max. Retail Price Rs 180/ (Incl. of all taxes)  
Unit Sales Price Rs 400/- Per kg

**POISON**  
DO NOT USE FOR FOOD, FEED  
AND OIL PURPOSES



Treated with Carbandazim  
Produced & Marketed by  
**Mahendra Hybrid Seeds Co. Pvt. Ltd;**  
Post Box No, 52, JALNA-431 203.

TRUTHFUL LABEL

KIND : HYBRID TOMATO  
VARIETY : US 1350  
LOT NO : 14E10840002  
GERMINATION : (MIN) 70%  
PHYSICAL PURITY : (MIN) 98%  
GENETIC PURITY : (MIN) 98%  
MOISTURE : (MAX) 10%  
NO OF SEED : 2000 SEEDS

NET WEIGHT : 500 gms  
RECOMMENDATION : ALL STATES OF INDIA  
SEASON : KHARIF/RABI  
LABEL NUMBER : 1452951001285

DATE TESTED : 15-09-2016  
DATE PACKED : 08-11-2016  
VAL TO EXP TO : 12-06-2018  
MRP (INCLUSIVE OF ALL TAXES) RS. 485/-

"TREATED WITH METALFOSYL & DELTAMETHRIN"

**CAUTION: TREATED WITH POISON**  
DO NOT USE FOR FOOD, FEED OR OIL PURPOSE

The seeds in this package conform to the minimum limits of germination and purity prescribed under the Seeds Act, 1966. Purchase seed only if seal is intact. Store seed in dry and cool place.

Produced, packed and marketed by:  
**Nunhems India Pvt.Ltd.**, S.No.-196 &197, Kandlakol Village,  
Medchal, R.R District, Telangana, India. - 501 403.

Executive, Customer Support Services,  
Phone: 0124 - 3051423  
Email: nunhems.customerservice.in@bayer.com

Bayer

# REGISTERED SEED



KIND  
VARIETY  
CERT. NO.

## UTAH REGISTERED SEED

The seed in this container, with label properly affixed thereto, was produced in compliance with the Seed Certification Requirements and Standards established by the Utah Crop Improvement Association for the Registered class of certified seed. Compliance (and any warranty, expressed or implied) is based on and limited to the identification of seed source, and the results of representative field inspections and seed sample analysis.

This tag must be accompanied by a seed analysis label to comply with state and federal seed laws.

**IMPORTANT: SAVE THIS TAG FOR PROOF OF SEED ORIGIN.**

UTAH CROP IMPROVEMENT ASSOCIATION, Utah Agricultural Experiment Station, Logan, Utah 84322-4855

**MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES**

**Colour: Opal Green**  
**Tag size: 15 cm x 10 cm**

**Label No.**

Crop:  
 Variety:  
 Class of seed: **Breeder Seed**  
 Lot No.  
 Date of test:  
 • Pure seed:                   %      Inert matter:                   %  
 • Germination:               %      Genetic purity:               %

Producing Institution: **Indian Grassland and Fodder Research Institute  
 Jhansi (284003) India**

Based on actuals                   Signature & Designation of breeder

**FOUNDATION SEED**

**TAG No.**

Kind:..... UTTARPRADESH  
STATE SEED  
CERTIFICATION AGENCY  
LUCKNOW

Variety:.....

Lot No:.....

Use of seed after expiry of the validity period is entirely at users risk and the holder of the certificate shall not be responsible for any damage to the user. No one should purchase the seed if seal or the certificate tag has been tampered with.

Name and Address of the seed producer:.....

Class of seed:.....  
 Certificate No.:.....  
 Date of issue of certificate:.....  
 Date of test:.....  
 Certificate valid upto:.....  
(provided seed is stored under dry and cool environment)

Seed Certification Officer  
[Name & Place]

Validity of certificate  
 Further extended upto:.....

Seed Certification Officer  
[Name & Place]

**TAG No.**

**CERTIFIED SEED**

Kind:..... UTTARPRADESH  
STATE SEED  
CERTIFICATION AGENCY  
LUCKNOW

Variety:.....

Lot No:.....

Use of seed after expiry of the validity period is entirely at users risk and the holder of the certificate shall not be responsible for any damage to the user. No one should purchase the seed if seal or the certificate tag has been tampered with.

Name and Address of the seed producer:.....

Class of seed:.....  
 Certificate No.:.....  
 Date of issue of certificate:.....  
 Date of test:.....  
 Certificate valid upto:.....  
(provided seed is stored under dry and cool environment)

Seed Certification Officer  
[Name & Place]

Validity of certificate  
 Further extended upto:.....

Seed Certification Officer  
[Name & Place]

**BUNDEL BEEJ**





ICAR-Indian Grassland and Fodder Research Institute (IGFRI)  
 Gwalior Road, Jhansi-284003

Processing and Packing attended by

Treated Seed not for Consumption

Label No. :  
 Crop :  
 Variety :  
 Lot No. :  
 Class of Seed : TFL Seed  
 Date of Test :  
 Net Weight (kg) :  
 Pure Seed (Min.) :  
 Inert Matter (Max.) :  
 Germination (Min.) :

Figure 2. Breeder, foundation, certified and truthfully labelled seed tags

Certified seed	Truthful labelled seed
Certification is voluntary	Truthful labelling is compulsory for notified kind of varieties
Applicable to notified kinds only	Applicable to both notified and released varieties
It should satisfy both minimum field and seed standards	Tested for physical purity and germination
Seed certification officer, seed inspectors can take samples for inspection	Seed inspectors alone can take samples for checking the seed quality.



# SEED ANALYSIS REPORT

- The Seed Testing Laboratory shall analysis the seed samples in accordance with the prescribed procedure and deliver the Seed Analysis Report to the Certification Agency from 30 days of the date of receipt of the samples

## Recleaning, Resampling and Retesting

- When a seed lot does not meet the prescribed seed standards, the Certification Agency on the request of seed producer may permit recleaning, resampling and retesting. It shall be permitted only once.

## Downgrading of seed calss

- If a seed field or a seed lot is not found meeting prescribed standards for the class for which it has been registered, the Certification Agency will certify to the immediate lower class.

## Report of Seed Analysis

Completed by a Registered Member of the Society of Commercial Seed Technologists

Name and Address:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Sender's Information\*

Kind: **Carrot**  
 Variety: **Danvers 126**  
 Genus/Species: ***Daucus carota***  
 Lot Number: **532**  
 Size of Lot: **100 lb**  
 Other Information:

Date Sample Received:

Date Testing Completed:

Test No.: **97-020**

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

Purity Analysis:	# Grams Analyzed 3 g
Pure Seed Component (s)	<b><i>Daucus carota</i> 99.7 %</b>
Other Crop Seed	<b>0.0 %</b>
Inert Matter	<b>0.2 %</b>
Weed Seeds	<b>0.1 %</b>
Other Crop Seed	<b>None</b>
Weed Seeds:	
Smartweed ( <i>Polygonum spp.</i> )	3 / 30 g
Barnyard grass ( <i>Echinochloa crus-galli</i> )	2 / 30 g

### Viability Analysis:

Germination	Dormant Seeds	Hard Seeds	Total Viable	No. Seeds (Germ)	Days Tested	Fluorescent	Non-Fluorescent	TZ
89.5%	%	%	%			%	%	%

Comments:

All states (**Except Hawaii**) Noxious Weed Seeds 30 g analyzed

This sample has \_\_\_ or has not \_\_\_ been examined for the presence of noxious weed seeds.

**None of the following found in 30 g:** Canadian Prohibited Noxious  
 Canadian Primary Noxious  
 Canadian Secondary Noxious

Other Determinations: \_\_\_\_\_

Test Code and Fees: \_\_\_\_\_

Rules Followed Other than AOSA: **Canadian Methods and Procedures for Testing Seed**

Signature: \_\_\_\_\_

Registered Seed Technologist - Seal No. 051

## ANALYSIS TAG

Kind: \_\_\_\_\_

Variety: \_\_\_\_\_

Origin: \_\_\_\_\_

Net Weight (lbs): \_\_\_\_\_

Pure Seed (%): \_\_\_\_\_

Inert Matter (%): \_\_\_\_\_

Other Crop Seed (%): \_\_\_\_\_

Weed Seed (%): \_\_\_\_\_

Germination (%): \_\_\_\_\_

Hard Seed (%): \_\_\_\_\_

Test date: \_\_\_\_\_

Noxious Weed/lb: \_\_\_\_\_

Lot Number: \_\_\_\_\_

Vendor: \_\_\_\_\_

### XXIII. Seed Standards of Genetic Purity

(a) All certified seed lots shall conform to the following Minimum Standards for genetic purity unless otherwise prescribed:

---

<i>Class</i>	<i>Standards for Minimum Genetic Purity(%)</i>
Foundation	99.00
Certified:	
(i) Varieties, composites, synthetics, multilines	98.00
(ii) Hybrids	95.00



SEED TREATMENT WITH THIRAM POWDER  
OR  
FOR SEED TREATMENT THIRAM POWDER PACKET KEPT INSIDE  
(DO NOT USE FOR FOOD, FEED OR OIL PURPOSE)

CEP  
1411  
FOR  
419  
DO  
412

No. 4877  
 Crop: MOONG  
 Variety: M11A  
 Stage: Foundation  
 Date of Issuance: 20/07/20  
 Year of Issue: 20-20  
 Packing Month: JANUARY  
 Lot No: 154-200 (15) 2020

Chlorobenz (Mn)	75 %
Para Sulf (Mn)	10 %
Long Hair (Mn)	2 %
Aluminum (Mn)	2 %
Seed Coat (Max)	25-4g
Other Crop Seed/Mn	25-4g
Net Content	2 Kgs



**NAUROJI SEED**

PRODUCED & MARKETING BY  
 NAVSARI AGRICULTURAL UNIVERSITY  
 NAVSARI  
 Navsari Agricultural University  
 Navsari-390450

SEAL  
INSIDE  
POSE



CROP :  
 1415  
 VARIETY :  
 911  
 STAGE : Breeder/Foundation  
 20 : Certified/Labeled  
 LOT NO. :  
 412-4  
 YEAR : 20 - 20  
 20 : 20 - 20  
 NET WEIGHT : 2 Kgs.  
 4144 200 : 2 (30)  
 SALE PRICE : Rs.  
 (INCLUSIVE ALL TAXES)  
 2000 (300) : 30.  
 (2000 2000 2000)



**NAUROJI**



PRODUCED & MARKETING BY  
 NAVSARI AGRICULTURAL UNIVERSITY  
 NAVSARI-390450 (GUJARAT)

# VALIDITY PERIOD OF REPORT

- The validity period shall be nine months from the date of test at the time of initial certification. The validity period could be further extended for six months

## Revocation of certificate

- The holder of the certificate has, without reasonable cause, failed to comply with the conditions subject to which the certificate has been granted or has contravened any of the provisions of the Act or the Rules

## Retention of certification records

- The Certification Agency shall preserve in order all the documents including the guard samples pertaining to certification of each seed lot for two years from the date of grant/ extension of the certificate and four years in respect of rejected seed crops or lots

# Registration for seed production

<http://www.ossopca.nic.in>



## ODISHA STATE SEED & ORGANIC PRODUCTS CERTIFICATION AGENCY

[Home](#) [Seed Grower Registration](#) [Reprint Acknowledgement Form](#) [Requisition For Threshing Certificate](#) [Application Status](#) [Download](#) [FAQ](#)

GENERAL INFORMATION & APPLICANT'S DETAIL

ADDRESS DETAILS & LAND INFORMATION

CROP INFORMATION

PREVIOUS

NEXT

### GENERAL INFORMATION ALL (\*) FIELDS ARE MANDATORY

1 NAME OF SCO UNIT : - -- Select --

2 AGENCY NAME : \* -- Select --

3 AGENCY DETAIL : \* -- Select --

4 CROP SEASON :  KHARIF  RABI

5 NATURE OF CROP VARIETY :  NORMAL  HYBRID

6 SEED GROWER TYPE :  INDIVIDUAL  GROUP

7 NO OF SEED GROWERS INVOLVED : (ENCLOSE THE LIST)

Activate W  
Go to PC settir

# Threshing floor certificate



ODISHA STATE SEED & ORGANIC PRODUCTS CERTIFICATION AGENCY, BHUBANESWAR

## Threshing Certificate

Issuing Date-05/12/2015

SERIAL NO- 14168

LOT NO - NOW15-18-227-07G12231

Plant Name-OSSC. / OSSC Ltd

Block Name-Agalapur

Agency Name-OSSC / OSSC - OSSC

Reference No-BOL/07/2015-16/K/22898

This Is To Certify That,the Threshing of the Harvested Seed produce whose details are given below was supervised to the Extent Possible felt necessary

Seed Grower Name :nilambar patel / UPARBAHAL

Crop Name

Variety Name

Class Name

PaddyDhan

MRUNALINI (DR 1898-18) IET 18649

Certified

Total Area of certified seed crop (in Ha):3.00

Net Area to which this certificate pertains (in Ha):3

Harvesting Date- 23/11/2015 ,

No Of Bags- 184

Quantity in KG Per Bag-70.00

Total Quantity- 12880.00

Activate Wi  
Go to PC settin  
Signature Of SCA Officer



# Indian Minimum Seed Certification Standards

Select the Crop:

- Barley
- Barley
- Barley Hybrids
- Paddy
- Paddy Hybrids
- Tribhujale**
- Wheat
- Wheat Hybrids
- Barnyard Millet
- Common Millet
- Finger Millet
- Italian Millet
- Kodo Millet
- Little Millet
- Maize Composites,Synthetics,And Open Pollinated Varieties
- Pearl Millet Composites,Synthetics,And Open Pollinated Varieties
- Pearl Millet Hybrids
- Sorghum Open Pollinated Varieties
- Sorghum Hybrids
- Maize Foundation Single Crosses
- Maize Hybrids

submit

India:

Isolation Distance 1(m)						Isolation Distance 2(m)						Isolation Distance 3(m)						Pollen shedds(%)		Objectionable Weed Plants(%)		Designated Disease(%)	
Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert		

Pure seed (Min)(%)		Inert matter(Max)(%)		Other crop seeds (Max)(%)		ODV (Max)(%)		Total weed seeds (Max)(%)		Objectionable weed seeds(Max)(%)		Germination (Min)(%)		Moisturiser (Max)(%)		Designated Disease(%)		Vapour proof containers (Max)(%)	
Found	Cert	Found	Cert	Found	Certi	Found	Cert	Found	Cert	Found	Cert	Found	Certi	Found	Cert	Found	Certi	Found	Cert

## Indian Minimum Seed Certification Standards

Field Standard for Crop Paddy

Isolation Distance 1(m)		Isolation Distance 2(m)		Isolation Distance 3(m)		Offtypes (%)		Pollen shedds(%)		Objectionable Weed Plants(%)		Designated Diseases(%)		Inseparable Other Plants(%)		Seed Born Diseases(%)	
Found	Cert	Found	Cert	Found	Certi	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert	Found	Cert
3	3	3	3			0.05%	0.20%			0.01	0.02						

Seed Standards for Crop Paddy

Pure seed (Min)(%)		Inert matter(Max)(%)		Other Crop seeds (Max)(%)		ODV (Max)(%)		Total Weed seeds (Max)(%)		Objectionable weed seeds(Max)(%)		Germination (Min)(%)		Moisturiser (Max)(%)		Designated Disease(%)		Vapour proof containers (Max)(%)		Ergotted Earheads(%)	
Found	Cert	Found	Cert	Found	Certi	Found	Cert	Found	Cert	Found	Cert	Found	Certi	Found	Cert	Found	Certi	Found	Certi	Found	Cert
98.00%	98.00%	2.00%	2.00%	10/kg	20/kg	10/kg	20/kg	10/kg	20/kg	2/kg	5/kg	80%	80%	13.00%	13.00%	0.10%	0.50%	8.00%	8.00%		

# Costs of certification

Registration fee per grower/ location/ crop/ season/unit	25/-
Inspection fee	
a) Foundation class of all crops	350/-
b) Certified class of all crops	300/-
Processing supervision fees (per quintal)	3/-
Packing/ Repacking supervision fees (per quintal)	3/-
Re-processing supervision fees (per quintal)	5/-
Sampling and seed testing fees	80/-
Grow out test fees (per sample)	300/-
Processing plant registration fee	2000/-
Processing plant renewal fee/ year	1000/-
Cost of tag including cost of lead seal	3/-
Seed transfer fee/ qtl (if transferred from site of processing to other places for storage)	10/-



ODISHA STATE SEED & ORGANIC PRODUCTS CERTIFICATION AGENCY,  
BHUBANESWAR

SAMPLING SLIP [ LAB]

Unique Code : E4D263

Generated On :5/28/2016 12:30:28 PM

Crop:PaddyDhan

Variety:MTU-7029(SWARNA)

Class:Certified

Date Of Sampling: 5/30/2016

Test Required: SEED HEALTH  
INSECT DAMAGE  
ODV  
MOISTURE  
PURITY  
GERMINATION

Status Of Lot: PROCESSED  
UN TREATED

Signature Of Sampler

Sample Submitted For: INITIAL TEST  
Signature Of Producer



ODISHA STATE SEED & ORGANIC PRODUCTS CERTIFICATION AGENCY,  
BHUBANESWAR

SAMPLING SLIP [ PRODUCER]

Lot No.:NOV/15-18-227-07G13433 - 1

Generated On :5/28/2016 12:30:28 PM

Crop:PaddyDhan

Variety:MTU-7029(SWARNA)

Class:Certified

Date Of Sampling: 5/30/2016

Processed Quantity :15180

No. Of Bags.:759

Location Of The Lot: ossc, bgr

Test Required: SEED HEALTH  
INSECT DAMAGE  
ODV  
MOISTURE  
PURITY  
GERMINATION

Status Of Lot: PROCESSED  
UN TREATED  
Sample Submitted For: INITIAL TEST

Signature Of Sampler

Signature Of Producer

Sample slip

***THANK YOU***