

Marketing Series No. 118



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GOVERNMENT OF INDIA
MINISTRY OF FOOD & AGRICULTURE
(DEPARTMENT OF AGRICULTURE)
DIRECTORATE OF MARKETING AND INSPECTION



सत्यमेव जयते

INSTRUCTIONS
FOR
Grading Lemongrass & Sandalwood Oils

(This supersedes all previous issues)

ISSUED BY
THE AGRICULTURAL MARKETING ADVISER TO THE
GOVERNMENT OF INDIA

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(Continued at the end of the Report)

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INTRODUCTION

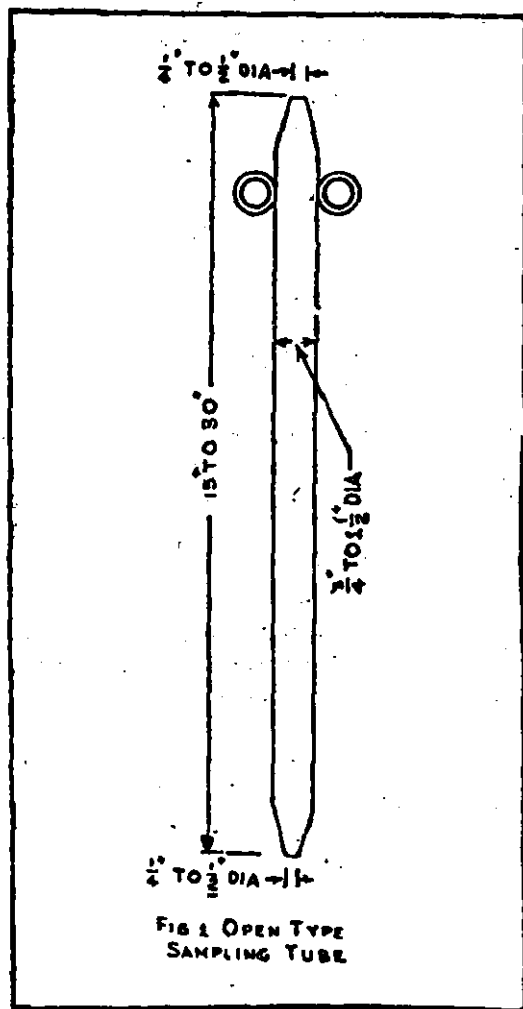
Parties intending to grade essential oils under Agmark should familiarise themselves with the provisions of the Agricultural Produce (Grading and Marking) Act, 1937, the General Grading and Marking Rules, 1937 and the Essential Oils Grading and Marking Rules, 1954. These are reproduced as Appendices I, II and III to these instructions.

India is one of the largest suppliers of lemongrass and sandalwood oils to the world markets. There has, however, been a set-back in India's export trade in recent years; a principal reason, therefore, has been the poor quality of the oils, particularly lemongrass oil, exported out of the country. Government of India and the progressive interests in the trade, therefore, have felt that there is a need for enforcing suitable quality control measures on the export of these oils. This has been effected through enforcement that all consignments of these oils shall be graded in accordance with the provisions of the Essential Oils Grading and Marking Rules, 1954, prior to export. In the absence of a certificate that the oils have been found to conform to Agmark specifications, exports are not permitted under Section 19 of the Sea Customs Act, 1878.

By notifications in the Gazette of India under Nos. S. R. O. 3753 dated 26-12-1955 and S. R. O. 3184 dated 28-12-1956 issued by the Ministry of Finance (Revenue Division) the provision for the compulsory grading of two essential oils, lemongrass and sandalwood oils, prior to export applies on and after 1-1-1956 and 1-2-1957 respectively.

These instructions are intended for the guidance of parties in respect of procedure for sampling, testing, marking and clearance of consignments of essential oils for export.

[Facing page 1]



APPENDIX I

Agricultural Produce (Grading and Marking) Act, 1937

Act No. I of 1937

An Act to provide for the grading and marking of agricultural [and other] produce

WHEREAS it is expedient to provide for the grading and marking of agricultural [and other] produce; It is hereby enacted as follows:—

Short title and extent.—(1) This Act may be called the Agricultural Produce (Grading and Marking) Act, 1937.

(2) It extends to the whole of India, except the State of Jammu & Kashmir.

2. *Explanations.*—In this Act, unless the contrary appears from the subject or context—

(a) "agricultural produce" includes all produce of agriculture or horticulture and all articles of food or drink wholly or partly manufactured from any such produce, and fleeces and the skins of animals;

(b) "counterfeit" has the meaning assigned to that word by Section 28 of the Indian Penal Code; (XLV of 1860);

(c) "covering" includes any vessel, box, crate, wrapper, tray or other container;

(d) "grade designation" means a designation prescribed as indicative of the quality of any scheduled article;

(e) "grade designation mark" means a mark prescribed as representing a particular grade designation;

(f) "quality" in relation to any article, includes the state and condition of the article;

(g) "prescribed" means prescribed by rules made under this Act;

(h) "schedule article" means an article included in the schedule; and

(i) an article is said to be marked with a grade designation mark, if the article itself is marked with a grade designation mark or any covering containing or label attached to such article is so marked.

3. *Prescription of grade designations.*—The Central Government may, after previous publication by notification in the Official Gazette, make rules—

(a) fixing grade designations to indicate the quality of any scheduled article;

(b) defining the quality indicated by every grade designation;

(c) specifying grade designation marks to represent particular grade designations;

(d) authorising a person or a body of persons, subject to any prescribed conditions, to mark with a grade designation mark any article in respect of which such mark has been prescribed or any covering containing or label attached to any such article;

(e) specifying the conditions referred to in clause (d) including in respect of any article conditions as to the manner of marking, the manner in which the article shall be packed, the type of covering to be used, and the quantity by weight, number or otherwise to be included in each covering;

[] Inserted under the Agricultural Produce (Grading and Marking) Amendment Act, 1942 (Act No. XIII of 1942),

- (f) providing for the payment of any expenses incurred in connection with the manufacture or use of any implement necessary for the reproduction of a grade designation mark or with the manufacture or use of any covering or label marked with a grade designation mark [or with measures for the control of the quality of articles marked with grade designation marks including testing of samples and inspection of such articles or with any publicity work carried out to promote the sale of any class of such articles];
- (g) providing for the confiscation and disposal of produce marked otherwise than in accordance with the prescribed conditions with a grade designation mark.

4. *Penalty for unauthorised marking with grade designation mark.*—Whoever marks any scheduled article with a grade designation mark, not being authorised to do so by rule made under Section 3, shall be punishable with fine which may extend to five hundred rupees.

5. *Penalty for counterfeiting grade designation mark.*—Whoever counterfeits any grade designation mark or has in his possession any die, plate or other instrument for the purpose of counterfeiting a grade designation mark shall be punishable with imprisonment which may extend to two years, or with fine, or with both.

6. *Extension of application of Act.*—The Central Government, after such consultation as it thinks fit of the interest likely to be affected, may by notification in the Official Gazette declare that the provisions of this Act shall apply to an article of agricultural produce not included in the Schedule [or to an article other than an article of agricultural produce] and on the publication of such notification such article shall be deemed to be included in the Schedule.

SCHEDULE

[See Section 2 (h)]

- 1. Fruit.
- 2. Vegetables.
- 3. Eggs.
- 4. Dairy Produce.
- 5. Tobacco.
- 6. Coffee.
- 7. Hides and Skins
- 8. Fruit products
- 9. *Ala*
- 10. Oilseeds
- 11. Vegetable oils (including hydrogenated oils and vegetable fats).
- 12. Cotton
- 13. Rice

Authority.—Govt. of India, Deptt. of Education, Health and Lands, Notification No. F.57-3-39-A., dated the 23rd March 1939.

[] Inserted under the Agricultural Produce (Grading and Marking) Amendment Act, 1943 (Act No. XX of 1943).

[[]] Inserted under the Agricultural Produce (Grading and Marking) Amendment Act, 1942 (Act No. XIII of 1942).

14. Lac	Authority.—Govt. of India, Deptt of Education, Health and Lands, Notification No. F.57-18/39-A., dated the 10th October, 1939.
15. Wheat	Education, Health and Lands - Departments Notification No. F.3-9(1)/41-A., dated the 17th March, 1941.
16. Sann hemp	Education, Health and Lands Department Notification No. F. 3-9 (3)41-A., dated the 21st April, 1941.
17. Sugarcane gur (Jaggery)	Education, Health and Lands Department Notification No. F. 3-26(5)4-A., dated the 16th February, 1942.
18. Myrobalans	Education, Health and Lands Department Notification No. F. 4-3/42-A., dated the 11th June, 1942.
19. Bura	Education, Health and Lands Department Notification No. F. 3-26/41-A., dated the 5th August, 1942.
20. Wool & Goat Hair	Ministry of Agriculture Notification No. 5-18/48-Co, dated 18th August, 1948.
21. Bristles	Ministry of Agriculture Notification No. F.4-5/50 Marketing dated 25th November, 1950.
22. Rosin and Turpentine	Ministry of Food and Agriculture (Agri.) Notification No. F.4-3/51-Dtc. II(M), dated 19th May, 1951.
23. Arecanuts	Ministry of Food and Agriculture (Agri.) Notification No. 4-4/51-Dtc.II (Marketing), dated 25th, May, 1951.
24. Essential Oils	Ministry of Food and Agriculture (Agri.) Notification No. F.5-86/52-Dtc. II, dated 22nd January, 1954.
25. Cashewnut	} Ministry of Food and Agriculture (Agri.) Notification No. F.25-1/54-Dtc. II, dated the 22nd April, 1954.
26. Cardamon	
27. Pepper	
28. Ginger	
29. Honey	Ministry of Food and Agriculture (Agri.) Notification No. F.5-31/55-AM, dated, 14th September, 1955.

30. Curry-powder

Ministry of Food and Agriculture
(Agri.) Notification No. F.5-21
/55AM, dated 19th January,
1956.

31. Kapok

Ministry of Food and Agriculture
(Agri.) Notification No. F.14-48
/56AM, dated 31st May, 1956.

32. Raw Jute

Ministry of Food and Agriculture
(Department of Agriculture) No-
tification No. F.14-45/56-AM
dated 11th September, 1957.

APPENDIX II

General Grading and Marking Rules, 1937

1. These Rules may be called the **General Grading and Marking Rules, 1937.**

2. Any person or body of persons desirous of being authorised to mark any article with a grade designation mark shall apply to the—

Agricultural Marketing Adviser to the Government of India, Nagpur.

3. (1) If after due enquiry the Agricultural Marketing Adviser [or any person duly authorised by him in this behalf] is satisfied that it is expedient in the interest of better marketing that the authorisation be granted and that the applicant is a fit and proper person to receive a Certificate of Authorisation, he shall issue such a Certificate to the applicant.

(2) Each Certificate shall state—

- (a) the name and address of the authorised person or body of persons;
- (b) the articles to which grade designation marks may, under the Certificate be applied;
- (c) the period for which the Certificate is valid; and
- (d) the premises at which alone the grade designation marks may be applied.

4. It shall be a condition of every Certificate of Authorisation—

- (a) that grade designation marks shall only be applied to the articles mentioned in the Certificate of Authorisation and at the premises therein mentioned;
- (b) that during the operation of the Certificate the holder thereof shall, at all reasonable times, give access to the premises named therein to any person duly authorised by the Agricultural Marketing Adviser or by the Central Government and shall afford him facilities for ascertaining that marking is being correctly performed;
- (c) that the holder of the Certificate will keep a record of the number of packages marked with each grade designation mark and will permit any person duly authorised by the Agricultural Marketing Adviser or by the Central Government to examine the record;
- (d) that the holder of the Certificate will permit any duly authorised person to take samples of any graded produce or to open and inspect any package bearing a grade designation mark, provided that all samples shall be paid for;
- (e) that any person authorised in this behalf by the Agricultural Marketing Adviser to the Government of India or by the Central Government may cancel or remove a grade designation mark from any produce [[should such produce be found by such person not to comply with the definition of quality prescribed for that article: provided that whenever grade designation marks are removed from graded produce belonging to distributors, and not to authorised packers, the latter shall, when so directed by the Agricultural Marketing Adviser to the Government of India make good to the former any loss sustained as a result of the removal of the grade designation mark, the loss being estimated on the basis of the additional value that the properly graded produce would have obtained in the market over and above the current market value of the corresponding quantity of the un-graded product]];

[] Inserted by the Govt. of India, Department of Agriculture, Notification No. F. 10-3/46-R, dated the 3rd September, 1946.

[[]] Inserted by the Govt. of India, Department of Education, Health and Lands Notification No. F. 4-10/42A, dated the 6th May, 1943.

- (f) that all rules made under the Agricultural Produce (Grading and Marking) Act, 1937, [and all instructions regarding methods of sampling, analysis submission of periodical returns, etc., which may be issued, from time to time, by the Agricultural Marketing Adviser to the Government of India], shall be observed;
- (g) that any Certificate of Authorisation may be cancelled, revoked modified or suspended by the Agricultural Marketing Adviser or by any other person authorised by the Central Government in that behalf, provided that 14 days' notice in writing shall be given to the Certificate holder at the address stated on the Certificate and on opportunity given him for showing cause why his certificate should not be cancelled, revoked, modified or suspended;
- (h) that any holder of a Certificate of Authorisation may, with the written consent of the Agricultural Marketing Adviser, use a replica of the Agmark design on his business papers and catalogues;
- (i) that any stencil, rubber stamp, punch or other instrument or label required for marking produce in the prescribed manner shall only be obtained from the Agricultural Marketing Adviser or a person authorised by him on payment of such charges as the Central Government may from time to time fix in this behalf, shall be kept in safe custody by the holder of the Certificate and shall, so far as may be, be returned to the Agricultural Marketing Adviser or such authorised person when the Certificate ceases to be valid;
- (j) [that the issue or use of grade designation mark labels or any stencil, rubber stamp, punch or other instrument required for marking produce in the prescribed manner, may be withheld or withdrawn by the Agricultural Marketing Adviser to the Government of India or a person authorised by him in this behalf without any notice, for such period as he may consider expedient in the interest of better marketing, if he is satisfied or has reasons to believe that the authorised packer is not applying or is not likely to apply, grade designation marks correctly; and
- (k) that the holder of a Certificate of Authorisation shall pay such charges as may be prescribed by the Central Government, from time to time towards the expenses incurred in connection with measures for enforcing the quality control of scheduled articles marked with grade designation marks including testing of samples and inspection of such articles or with any publicity work carried out to promote the sale of any class of such articles].

APPENDIX III

The Essential Oils Grading and Marking Rules, 1954.

1. *Short title and application.*—(i) These Rules may be called the Essential Oils Grading and Marking Rules, 1954.

(ii) They shall apply to essential oils produced in India.

2. *Grade designations.*—Grade designations to indicate the quality of essential oils produced in India shall be as set out in column I of Schedules III and IV annexed to these rules.

3. *Definition of quality.*—The quality indicated by the grade designations shall be as set out against such designations in columns 2 to 7 of Schedules III and IV annexed to these Rules.

4. *Grade designation marks.*—The grade designation mark shall consist of a label bearing a design (consisting of an outline map of India with the word "AGMARK" and the figure of the rising sun with words "Produce of India") resembling that set out in Schedule I specifying the name of the essential oil, the grade designation and in colours specified in the aforesaid Schedule.

5. *Method of marking.*—(i) The grade designation mark shall be securely applied to each container in the manner approved by the Agricultural Marketing Adviser to the Government of India and the following particulars shall be marked on the container or the label:—

- (a) Name of packer;
- (b) Place of packing;
- (c) Date of packing; and
- (d) Lot number.

(ii) An authorised packer may after obtaining the previous approval of the Agricultural Marketing Adviser to the Government of India, mark his private trade mark on a container in a manner approved by the said officer:

Provided that the private trade mark does not represent quality or grade of essential oil different from that indicated by the grade designation mark affixed on the container in accordance with the said Rules.

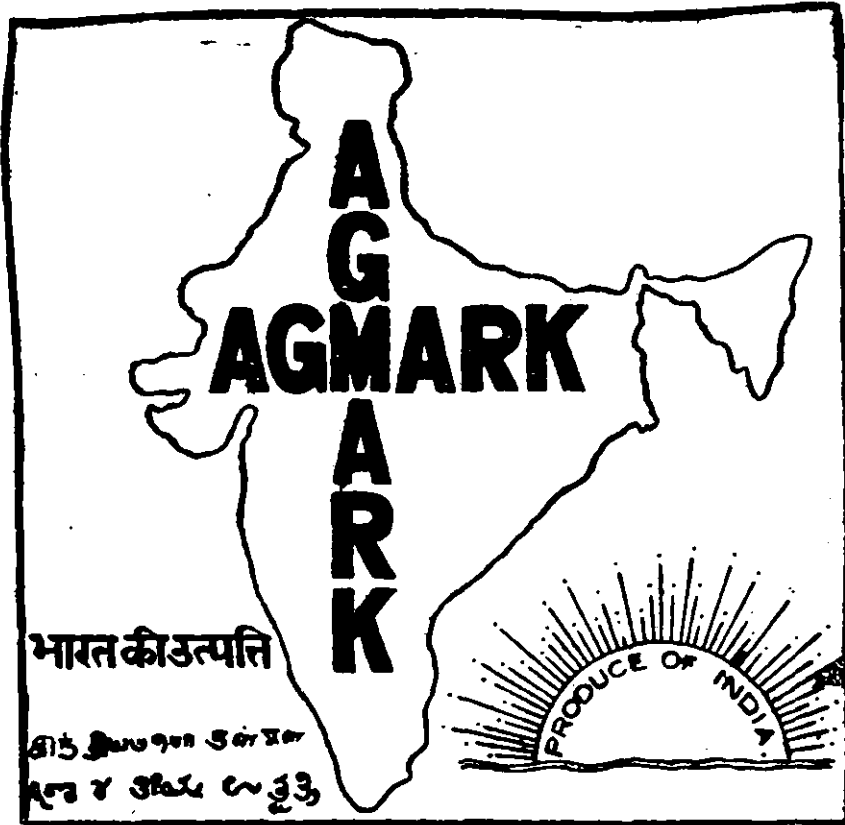
(iii) Only clean containers which shall be securely closed and sealed in a manner approved by the Agricultural Marketing Adviser to the Government of India shall be used for packing.

6. *Special conditions of Certificate of Authorisation.*—In addition, to the conditions specified in rule 4 of General Grading and Marking Rules, 1937, the conditions set out in Schedule II, shall also be the conditions subject to which a Certificate of Authorisation is issued for the purposes of rules.

SCHEDULE I

(a) Grade designation mark for Essential Oils

[See rule 4]



(b) Colour scheme

(i) Lemongrass oil.

Grade designation	Colour of lettering showing the grade	Colour of border of the label.
Special	Red	Red.
Grade A.	Green.	Green.

(ii) Sandalwood oil

Grade designation	Colour of lettering showing the grade	Colour of the border of the label
Grade A.	Red.	Red.

SCHEDULE II.

[See rule 6]

- (a) An authorised packer shall have suitable arrangements for filtration, blending and storage of essential oils.
- (b) If an authorised packer handles more than one essential oil on the same premises, adequate precautions shall be taken to avoid the mixing of different oils.
- (c) An authorised packer shall make such arrangements for testing essential oils as may be prescribed and a duplicate sample from each lot of essential oil to be graded shall be forwarded to such Control Laboratory as may be notified from time to time by the Agricultural Marketing Adviser to the Government of India.
- (d) All instructions regarding the methods of sampling, analysis, packing etc., which may from time to time be issued by the Agricultural Marketing Adviser to the Government of India, consistent with the provisions of the Act and the rules made thereunder, shall be strictly observed.

SCHEDULE III*

Grade designations and definitions of quality of East Indian Lemongrass Oil (Cochin Lemongrass Oil)

[See rules 2 and 3]

Physico-chemical characteristics						
Grade Designation	Specific gravity at 30°/30°C†	Optical rotation	Refractive index at 30°C‡	Total aldehyde (Citral) content determined by bisulphite method§	Solubility in 70% (by volume) ethyl alcohol	Description and appearance
1	2	3	4	5	6	7
Special	0.888 to 0.898	+1° to -3°	1.4786 to 1.4846	Not less than 80%	Soluble in 2 to 3 Volumes	The East Indian Lemongrass oil shall be the reddish yellow to brown mobile essential oil obtained by the process of steam distillation and/or water distillation of clean <i>Cymbopogon flexuosus</i> (D.C.) Stapf, plants, and shall be free from admixture with any other oil or substance.

1	2	3	4	5	6	7
Grade A	0.888 to 0.898	+1° to -3°	1.4786 to 1.4846	Not less than 76%	Soluble in 2 to 3 Volumes.	It shall have a lemon-like odour and shall be clear, free from any sedi- ment, and sus- pended matter. It shall be dry.

*The specifications are based on the Indian Standard Specification for Lemongrass Oil (IS:327-1952).

†The correction factor for specific gravity for each degree Centigrade rise in temperature shall be (—)0.00079.

‡The correction factor for refractive index for each degree Centigrade rise in temperature shall be (—)0.00044.

§The actual citral content shall be suitably indicated.

SCHEDULE IV*

Grade designations and definition of quality of East Indian sandal wood oil

[See rules 2 and 3]

Grade Designation	Physico-chemical characteristics					Description and appearance
	Speci- fic gra- vity at 30°/30°C†	Optical rotation	Refrac- tive in- dex at 30° C‡	Free alco- hol (Santalol) content	Solubility in 70% (by volume) ethyl alco- hol	
Grade A	0.962 to 0.976	-15° to -20°	1.4990 to 1.5060	Not less than 90%	Soluble in 5 Volumes.	The East Indian Sandalwood oil shall be the pale-yellow or nearly colourless essential oil obtained by steam distillation and/or water distillation of <i>Santalum album</i> , Linn, only, and shall be free from admixture with any other oil or substance. It shall be clear, free from sediment and suspended matter. It shall be dry and shall have the characteristic faint but persistent odour and unpleasant taste

*The specifications based on The Indian Standard Specification for Sandalwood Oil (IS:329-1952).

†The correction factor for specific gravity for each degree Centigrade rise in temperature shall be (—)0.00070.

‡The correction factor for refractive index for each degree Centigrade rise in temperature shall be (—)0.00039.

APPENDIX IV

*Application for Certificate of Authorisation for Grading and Marking
Essential Oils*

To

The Agricultural Marketing Adviser to the
Government of India
Nagpur.

I/We _____

(Business or Designation) _____

Full Address _____

being desirous of marking _____
(Name of essential oil/oils)

with a grade designation mark in accordance with the Rules made under the Agricultural Produce (Grading & Marking) Act, 1937, hereby make application for a Certificate of Authorisation and furnish the following particulars:—

1. Name and postal address.....
2. Abbreviated telegraphic address, if any.
3. Full address of the premises where grading and marking with a grade designation mark is proposed to be done.
4. Period for which I/We have been in the trade.
5. Name of the essential oil(s) which will be graded.
6. Approximate quantity, if any, of essential oil(s) handled during the past 5 years.

Year	Approximate quantity lbs./Kilograms
19	_____
19	_____
19	_____
19	_____
19	_____

7. Approximate quantity of essential oil (s) proposed to be graded during the year/season.
8. Names of the markets where graded oil is proposed to be sold.
9. Bank reference.

I/We hereby declare that the information given above is correct and true. I/We have carefully gone through the Agricultural Produce (Grading & Marking) Act, 1937, the General Grading & Marking Rules, 1937 and the Essential Oils Grading & Marking Rules, 1954, made under the Act and the special instructions issued by the Agricultural Marketing Adviser to the Government of India in connection with the grading of essential oils and agree to abide by them as well as any others which he might issue in future.

Dated the.....

Signature(s) of the applicant(s).

In view of the particulars given overleaf I have ascertained the bonafides of the applicant(s) in regard to his/their capacity for starting and maintaining satisfactorily an establishment for grading essential oils and consider /do not consider the applicant(s) to be fit enough to deal with the scheme and therefore recommend/do not recommend him/them to the Agricultural Marketing Adviser to the Government of India for the grant of a Certificate of Authorisation.

Other remarks, if any:

Dated the

Signature.....

Designation.....

APPENDIX V

Application for renewal of Certificate of Authorisation

To :

The Agricultural Marketing Adviser to the Government of India, Nagpur.

I/We _____ Business or Designation _____ Address _____ have been grading (name of essential oil) under the Agricultural Produce (Grading and Marking) Act, 1937 and the relevant rules made thereunder since the _____ 19 _____. The present Certificate of Authorisation issued to me/us expires on _____ 19 _____. During the period of the present Certificate of Authorisation the following quantities of _____ oil(s) has/have been graded by me/us.

Quantity (in lb.) Kilograms.

As I/we am/are desirous of continuing the grading of oil(s), it is requested that the Certificate of Authorisation for grading at the following premises only may be renewed :

Full address of premises } _____

My/Our present Certificate* of Authorisation is enclosed herewith.

Signature.....

To be filled in by the forwarding officer.

I am/am not satisfied with the work done by the applicant(s) during the past _____ months/year. The quantity mentioned by the applicant(s) to have been graded has been checked and is found correct. I, therefore, recommend/do not recommend him/them for the renewal of the Certificate of Authorisation for a period of _____ from _____.

Other remarks, if any :—

Dated the.....

Designation.....

Signature.....

*The Certificate should be attached to the copy sent through the Deputy Senior Marketing Development Officer, Cochin-3.

APPENDIX VI

Application for the inspection and sampling of essential oil(s)

Place _____

Date _____

From

To

**The Deputy Senior Marketing Development Officer/
Dy. Marketing Development Officer,
Essential Oils Grading Scheme, Cochin-3.**

Dear Sir,

I/We request you to please arrange for the inspection and sampling of
_____lb. Kilograms of _____ in _____ lot(s) in
[name(s) of the essential oil]
storage tanks/packed in containers of _____lb./kilograms capa-
city each at _____
(address of the authorised premises).

Yours faithfully,

**Signature of the authorised
packer or his representative.**

APPENDIX VII

Specimen of Agmark Grading Certificate.

GOVERNMENT OF INDIA

MINISTRY OF FOOD AND AGRICULTURE
(DEPARTMENT OF AGRICULTURE)

DIRECTORATE OF MARKETING AND INSPECTION

(ORIGINAL)

Book No:

Certificate No.:

OFFICE OF THE DEPUTY SENIOR MARKETING
DEVELOPMENT OFFICER, ESSENTIAL OILS
GRADING SCHEME.

Cochin 3, dated the.....19

Certificate of Agmark Grading

Certified that the consignment of lemongrass/sandalwood oil as per details given below has been found to conform to the specifications prescribed for the oil under the Essential Oils Grading & Marking Rules, 1954.

Name of the authorised packer_____

Details of Certificates issued, if any_____

Particulars of the packages

Name, Grade of the oil and Lot No.	Number of packages	Agmark label Numbers		Citral/Santalol per cent at the time of grading	Party's shipping Numbers		Party's marks
		From	To		From	To	
1	2	3		4	5	6	

Remarks :

Deputy Senior Marketing Development Officer,
Essential Oils Grading Scheme.

NOTE.—The original is meant for the Customs use.

APPENDIX VIII

Application for the issue of the Certificate of Agmark Grading

From

To

The Deputy Senior Marketing Development Officer,
Essential Oils Grading Scheme,
Willington Island,
Cochin-3.

Sir,

I/We request you to please issue a Certificate of Agmark Grading for the following essential oil packages, particulars of which are given below :

Name of the oil and grade(s)	Date of inspection & lot number	Date of packing	No. of packages in each grade and size of container	Serial Nos. of Agmark labels	Shipping Nos. and identification marks, if any
				From To	
1	2	3	4	5	6

Yours faithfully,

Place _____

for _____

Date _____

Signature _____

APPENDIX IX

Application for the issue of a fresh Certificate of Agmark Grading in the event of sale prior to export of a consignment of graded and marked essential oil packages

Place _____

Date _____

From _____

To

The Deputy Senior Marketing Development Officer,
 Essential Oils Grading Scheme,
 Willingdon Island,
 Cochin-3.

Sir,

I/We request you to please issue a fresh Certificate of Agmark Grading for the following essential oil packages graded and marked at the authorised premises of _____.

1. Name and address of the buyer.
2. Date of sale.
3. Particulars of essential oil packages,

Name of the oil and grade(s)	Date of inspection and lot number	Date of packing	No. of packages in each grade and size of container	Serial Nos. of Agmark labels		Shipping Nos. and identification marks of the buyer, if any
				From	To	
1	2	3	4	5	6	

Yours faithfully,

for _____
 Signature _____

NOTE —When a Certificate has already been issued it shall be returned by the authorised packer along with his application.

APPENDIX X
Specimen of Treasury Chalan

T. R. 6
(Treasury Rule 92)

Adjustable by the Accountant General,
Central Revenues (T. G. Section)
New Delhi.

Chalan No. _____

Chalan of cash paid into the Treasury/Sub-Treasury
Imperial Bank of India at _____
Reserve Bank of India

To be filled in by the Remitter			To be filled in by the Departmental officer or the Treasury		
By whom tendered	Name (or designation) and address of the person on whose behalf money is paid	Full particulars of the remittance and of authority (if any).	Amount	Head of Account	Order to the bank
1	2	3	4	5	6

Name and Signature of the person who deposits the amount.

Name and address of the party.

Label charges /Cost of adhesive/cost of lead seals to the credit of the A.M.A. to the Govt. of India, Nagpur.

XXIX-Agriculture—Central Agricultural Receipts—Essential Oil Receipts/Adhesive/ Receipts/Grading Equipment Receipt.

Date Correct Receive and grant receipts.

Signature

Total*

Signature and full designation of the Officer ordering the money to be paid in.

*(In words) Rupees

To be used only in the case of remittance to the Bank through departmental officer or the Treasury Officer.

Received payment (in words) Rupees

Treasurer

Accountant

Date

Treasury Officer.

Agent

APPENDIX XI
Specimen of analytical report.

E.O.G.S.-r

Name of the grading station _____ C/A No. and period of validity _____
Name of the essential oil _____

Serial No.	Lot No.	Date of Sampling	Quantity in pounds	Date of receipt of analytical report with citral/santalol content	Date on which Agmark labels applied	No. of containers (with capacity) filled under each grade	Grade and Serial Nos. of Agmark labels used		Remarks
							From	To	

APPENDIX XII

Specimen of monthly return of charges of Agmark labels

E. O. G. S.—2

GOVERNMENT OF INDIA

MINISTRY OF FOOD & AGRICULTURE
(DEPARTMENT OF AGRICULTURE)

DIRECTORATE OF MARKETING AND INSPECTION

Essential Oils Grading Scheme

Monthly return of charges on Agmark labels used on containers of essential oils in accordance with clause 4(i) of General Grading & Marking Rules, 1937

No. _____

Place _____

Date _____

Statement showing the amount due to the Agricultural Marketing Adviser to the Government of India on account of the use of Agmark labels for essential oils _____ during the month of _____ at _____ (Name of Grading Station).

Lot No.	Date of Agmarking	Quantity in lb./kilo-gram	Charges at Rs. _____ per 100 lb. 45-4 kilograms
---------	-------------------	---------------------------	---

Total amount due (in words) _____.

This amount is being remitted to the Deputy Senior Marketing Development Officer, Essential Oils Grading Scheme, Cochin-3, by Treasury Chalan No. _____ Bank draft.

Signature of the authorised packer.

The Deputy Senior Marketing Development Officer,
Essential Oils Grading Scheme,
Cochin-3.

Copy to the Agricultural Marketing Adviser to the Government of India, Nagpur.

APPENDIX XIII

Record of the Sampling and Analysis of Essential Oils

E.O.G.S.-3

ESSENTIAL OILS GRADING SCHEME

Name of the Grading Station.....

Name of the Essential Oil.....

Serial No.	Date of sampling	Lot number	Quantity of oil in the lot	Date on which analysis was completed	Analytical Results					General Remarks	Grade assigned	Other remarks	Signature of the Chemist
					Specific gravity at 30°/30° C.	Optical rotation	Refractive Index at 30° C	Citral/Santalol content	Solubility in 70% ethyl-alcohol				
1	2	3	4	5	6	7	8	9	10	11	12	13	14

APPENDIX XIV

Specimen of certificate giving analytical value of Sandalwood oil
GOVERNMENT OF INDIA

MINISTRY OF FOOD & AGRICULTURE
(DEPARTMENT OF AGRICULTURE)

DIRECTORATE OF MARKETING AND INSPECTION

OFFICE OF THE DEPUTY SENIOR MARKETING DEVELOPMENT OFFICER,
ESSENTIAL OILS GRADING SCHEME

Book No. Cochin 3,
Kanpur 3, dated the195 .
Serial No.

Certificate of Analysis of Sandalwood Oil

Lot No. Date of sampling 195 .

Quantity in the lot lb. Date of analysis 195 .

Reference to Agmark Grading Certificate issued
Specific Gravity 30°/30° C
Optical rotation
Refractive Index at 30° C
Solubility (in 70% ethyl alcohol)
Free alcohol(as Santalol) per cent
Remarks

Place :
Date :

Deputy Senior Marketing Development Officer,
Cochin-3.

LIST OF PRICED PUBLICATIONS—Contd.

1	2	3	4
*19	AMA 7.39	Annual Report of the Agricultural Marketing Adviser and Summarised Reports of Senior Marketing Officers in Provinces and certain States for the year ending 31st December, 1939	Rs. 1-10-0 or 2s. 6d.
*20	AMA 11	Report on the Marketing of Grapes in India and Burma	Rs. 1-4-0
*21	AMA 18	Report on the Marketing of Coffee in India and Burma	Rs. 1-4-0
*22	AMA 21	Report on the Marketing of Potatoes in India and Burma	Rs. 1-4-0
*23	AMA 22	Report on the Marketing of Milk in India and Burma	Rs. 1-4-0
*24	AMA 25	Preliminary Guide to Indian Fish, Fisheries, methods of Fishing and Curing	Re. 1-0-0
25	AMA 27	Abridged edition of the Report on the Marketing of Eggs in India and Burma in Urdu	Re. 0-8-0
26	AMA 26	Abridged edition of the Report on the Marketing of Eggs in India and Burma in Hindi	Re. 0-8-0
*27	AMA 20	Report on the Marketing of Rice in India and Burma	Rs. 1-4-0
*28	AMA 24	Report on the Marketing of Groundnuts in India and Burma	Rs. 1-4-0
*29	AMA 7.40	Annual Report of the Agricultural Marketing Adviser and Summarised Reports of Senior Marketing Officers in Provinces and certain States for the year ending 31st December, 1940	Rs. 1-4-0
30	AMA 28	Abridged edition of the Report on the Marketing of Potatoes in India and Burma in English	Re. 0-8-0
31	AMA 29	Abridged edition of the Report on the Marketing of Grapes in India and Burma in English	Re. 0-8-0
*32	AMA 30	Abridged edition of the Report on the Marketing of Milk in India and Burma in English	Re. 0-8-0
*33	AMA 39	Hand-book on the quality of Indian Wool	Re. 0-8-0
*34	AMA 38	Abridged edition of the Report on the Marketing of Tobacco in India and Burma in English	Re. 0-8-0
*35	AMA 31	Abridged edition of the Report on the Marketing of Groundnuts in India and Burma in English	Re. 0-8-0
*36	AMA 41	Report on the Marketing of Hides in India and Burma	Rs. 1-4-0
*37	AMA 35	Abridged edition of the Report on the Marketing of Rice in India and Burma in English	Re. 0-8-0
*38	AMA 34	Instructions regarding the Grading and Marketing of Ghee in connection with Agricultural Produce Grading and Marking (Ghee) Rules, 1938	Re. 0-4-0

(Continued from the inside front title cover.)

LIST OF PRICED PUBLICATIONS—Contd.

1	2	3	4
*39	AMA 23.	Report on the Marketing of Sugar in India and Burma	Rs. 1-4-0
*40	AMA 37	Report on the Marketing of Skins in India and Burma	Rs. 1-4-0
*41	AMA 22.2	Second edition of the Report on the Marketing of Milk in India, and Burma	Rs. 1-4-0
*42	AMA 36	Report on the Co-operative Marketing of Agricultural Produce in India	Rs. 1-4-0
*43	AMA 42	Report on the Marketing of Citrus Fruits in India	Rs. 1-4-0
*44	AMA 33	Report on the Marketing of Lac in India	Rs. 1-4-0
*45	AMA 40	Report on Fairs, Markets and Produce Exchanges in India	Rs. 1-4-0
*46	AMA 32	Report on the Marketing of Coconuts, and Coconut Products in India	Rs. 1-4-0
*47	AMA 45	Report on the Marketing of Cashewnuts in India	Rs. 1-4-0
*48	AMA 43	Report on the Marketing of Gram in India	Rs. 1-4-0
*49	AMA 47	Report on the Marketing of Bananas in India	Rs. 1-4-0
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*51	AMA 44	Report on the Marketing of Barley in India	Rs. 1-4-0
*52	AMA 46	Report on the Marketing of Fish in India	Rs. 1-4-0
*53	AMA 51	Report on the Marketing of Cattle in India	Rs. 1-4-0
*54	AMA 52	Report on the Marketing of Wool and Hair in India	Rs. 1-4-0
*55	AMA 53	Report on the Marketing of Castorseed in India	Rs. 1-4-0
56	AMA 57	Agricultural Produce (Grading and Marking) Act, 1937 with Rules made prior to 31st December, 1946	Rs. 1-4-0
*57	AMA 50	Report on the Marketing of Ghee and other Milk Products in India	Rs. 3-0-0
58	AMA 55	Supplement to the Report on the Marketing of Wheat in India	Rs. 1-4-0
59	AMA 49	Report on the Marketing of Rapeseed and Mustard in India	Rs. 2-0-0
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61	AMA 59	Bulletin on the Marketing of Sann Hemp in India	Rs. 1-8-0
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63	AMA 58	Report on the Marketing of Arecanuts in India	Rs. 1-4-0
64	AMA 60	Report on the Marketing of Milk in the Indian Union	Rs. 3-8-0
65	AMA 46-II	Report on the Marketing of Fish in the Indian Union (Second edition)	Rs. 5-10-0
66	AMA 25-II	Preliminary Guide to Indian Fish, Fisheries, Methods of Fishing and Curing (Revised edition)	Rs. 4-4-0

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1	2	3	4
67	AMA 62	Abridged edition of the Report on the Marketing of Milk in the Indian Union (Hindi)	Rs. 1-2-0
68	AMA 61.48	Annual Report of the Directorate of Marketing and Inspection for the year ending 31st December, 1948	Rs. 1-4-0
69	AMA 64	Atlas on Livestock and Livestock Products	Rs. 8-14-0
70	AMA 66	Instructions for grading Tobacco	Rs. 1-2-0
71	AMA 69	Report on the Marketing of Hides in India (Second edition)	Rs. 4-8-0
72	AMA 68	Report on the Marketing of Sesamum and Nigersed in India	Rs. 3-8-0
73	AMA 73	Report on the Marketing of Groundnuts in India (Second edition)	Rs. 7-8-0
74	AMA 70	Report on the Marketing of Maize and Mill-ets in India	Rs. 5-8-0
75	AMA 74	Report on the Marketing of Rice in India (Second edition)	Rs. 8-0-0
76	AMA 75	Report on the Marketing of Tobacco in India (Second edition)	Rs. 7-8-0
78	AMA 77	Methods of Sampling and Testing Vegetable Oils and Fats under Agmark	Rs. 2-4-0
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	AMA 100	Report on the Fruit and Vegetable Murrabba Industry in India	
	AMA 95.55	Administration Report of the Directorate of Marketing and Inspection for the year 1955.	Rs. 1.75
	AMA 110	Report on the Marketing of chutney in India	Rs. 3.87
103	AMA 105	Atta Grading Instructions	
105	AMA 107	Creameary Butter Grading Instructions	Rs 2.50
106	AMA 112	Hand-book on Sann Hemp Grading	Rs. 2
107	AMA 108	Hand-book on Bristles Grading	Rs. 2
83	AMA 38	Report on the Marketing of Chillies in India	Rs. 7.75
		Report on the Marketing of Mangoes in India	
108	AMA 109	Brochure on Lemongrass Oil in India	Rs. 3.50
85	AMA 104	Report on the Marketing of Ghee and other Milk products in India	Rs. 2.25
99	AMA 103	Brochure on the Marketing of Henna (Hindi)	Re. 0.56
		<i>Reports Under Print</i>	
		Gur Grading Instructions	
		Hand-book on Grading of wool	
		Report on the Marketing of Pulses in India	
		Report on the Marketing of Lac in India	
		A note for the guidance of parties wishing to grade Ghee under Agmark (Hindi)	
		Ghee Series I & II (Hindi)	
		Atlas on Food crops	
		Essential Oils and Lemongrass Oil Grading Instructions	
		Agricultural Produce Grading and Marking Act, 1937	
		Administration Report for the Directorate of Marketing and Inspection for the year 1956.	
		Report on the Marketing of Fruit Products order 1955 in India.	
		Atlas on Commercial crops	
BROCHURE SERIES—			
		Brochure Series No. 1	
		Brochure on the Marketing of Fish in India	(Unpriced).
		Brochure Series No. 2	
		Brochure on the Marketing of Wool in India	Do.

LIST OF PRICED PUBLICATIONS—*Concl'd.*

1	2	3	4
BROCHURE SERIES—<i>Contd.</i>			
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