

Trade Notice No: APEDA/Q/2015 Date: 19/08/2015

PROCEDURE FOR EXPORT OF VEGETABLES



**Agricultural and Processed Food Products
Export Development Authority**
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Procedure for Exports of Vegetables

Background

Residues of agrochemicals beyond prescribed limits in vegetables exported from India as well as rejection of consignments have resulted in declining exports from India. Ministry of Agriculture, Government of India vide letter dated 21.05.2014 advised Plant Protection Adviser (Directorate of Plant Quarantine and Storage) to direct all Plant Quarantine Stations/Phytosanitary Certificate (PSC) issuing authorities to issue PSC only for such consignment(s) which have been processed and packed in APEDA recognized pack houses where a dedicated quarantine observation area will be used for quarantine inspection by the nominated Plant Quarantine Inspectors. In addition, the export consignments shall be sampled and analyzed by APEDA authorized laboratories to ensure that the MRLs of agrochemicals are within permissible limits of importing country(s) before issue of PSC. Instructions to PSC issuing authorities are given at **Annexure-1**. Standard Operating Procedure (SOP) for inspection and Phytosanitary Certification are given at **Attachment** to Annexure-1. To ensure compliances with the PSC and food safety requirements of importing countries as well as instructions issued by NPPO, the detailed procedures to be followed for exports of vegetables shall be as follows:

| | | | |
|----|-------------------------------------|-----|---|
| 1. | Objectives | 1.1 | To ensure that the residues of agrochemicals are within the prescribed limits in vegetables exported from India before issue of PSC. |
| | | 1.2 | To establish a system for corrective action in the event of detection of higher than permissible levels of residues. |
| 2. | Scope | 2.1 | All recognized packhouses, recognized laboratories authorized for sampling and analysis of vegetables, NRL, Agmark (Certificate of Agmark Grading-CAG issuing authorities), wherever applicable, NPPO (PSC issuing authorities) exporters of vegetables with a specific reference to following products shall be covered under these procedures: i) Bitter Gourd ii) Brinjal iii) Curry Leaves iv) Drumstick v) Green chillies |
| 3. | Procedure for sampling and analysis | 3.1 | The produce shall be harvested during early hours and brought immediately to the Packhouse recognized by APEDA. |

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| | | 3.2 | The APEDA recognized laboratories authorized for sampling and analysis of vegetables shall sample vegetables meant for exports either from the producing farms or from APEDA recognized Pack House. |
| | | 3.3 | In case of samples drawn at the packhouse, the exporter/recognized packhouses shall maintain segregation of produce in such a manner it should be tracked to the farm(s) or farm(s) following uniform pre harvest practices and the producing farms are in contiguous area. |
| | | 3.4 | The List of the APEDA recognized Pack Houses is given in Annexure-2 . These Packhouses are required to obtain approval from DMI as an approved CA holder. |
| | | 3.5 | All exporters/packhouses/CA holders shall apply to authorized laboratories for sampling of vegetables meant for export in the format of sample slip as given in Annexure-3 . |
| | | 3.6 | List of APEDA recognized laboratories authorized for sampling and analysis of vegetables is given in Annexure-4A . |
| | | 3.7 | List of DMI approved laboratories authorized for issue of Certificate of Agmark Grading (CAG) is given in Annexure-4B . |
| | | 3.8 | The authorized laboratories shall sample vegetables as per the method of sampling for each vegetable as given in Annexure-5 . |
| | | 3.9 | The authorized laboratories shall analyze samples as per method of analysis given by the National Referral Laboratory (NRL). |
| | | 3.10 | A consignment of vegetables may comprise from optimum 30 farms, provided these farms follows uniform pre harvest practices and maintains same PHI so that the samples drawn for residue analysis are homogenous of the supplying farms. |
| | | 3.11 | Authorized person of the authorized laboratory shall transfer the drawn samples (including the control samples) to the laboratory immediately but not later than 18 hours from the date and time of drawl of samples. |
| | | 3.12 | The lab shall issue analysis results within 36 hours from the date and time of drawl of the sample. |
| 4. | Requirements of Authorized Laboratories | 4.1 | All the laboratories shall be ISO/IEC-17025 accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) for the scope of residues of agrochemicals as given in these procedures. |

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| | | 4.2 | All the laboratories shall have DMI & APEDA recognition under relevant scheme for recognition. |
| | | 4.3 | The authorized person of laboratory shall draw sample in the late evening of the harvest day or early morning of the next day from the APEDA recognized Pack Houses or a registered farm. |
| | | 4.4 | Responsibility of sampling as per Annexure-5, transfer of samples to the lab and issue of analytical results within 36 hours from the date and time of drawl of the sample shall be of the laboratory. |
| | | 4.5 | List of agrochemicals and their MRLs to be analyzed for individual vegetable is given in Annexure-6 . |
| | | 4.6 | The authorized laboratories shall issue analysis report as per the format given in Annexure-7 . |
| | | 4.7 | The authorized laboratories shall retain counter sample(s) in controlled conditions below plus 8°C for vegetables for a period of 21 days from the date of drawl of the samples. In case of storage of counter samples of products having longer shelf life, the laboratory shall retain homogenized portion of sample at minus 18°C. |
| 5. | Responsibilities of exporter/ APEDA recognized Pack Houses | 5.1 | All APEDA recognized Pack Houses shall maintain record of the sources (farmers & suppliers) of vegetables in such a manner that the consignment exported can be traced back to the source. The record shall be made available to the laboratory representative at the time of sampling. |
| | | 5.2 | Overall responsibility for compliance with the MRLs of importing countries shall be of the exporter and recognized Pack House(s) |
| | | 5.3 | The recognized Pack Houses shall ensure that each box will carry a label with a Unique Identification Code (UIC). For example AAA Exports from Mumbai could be AAAPHL000FFF (AAA denotes the packhouse name, PHL denotes location of packhouse and 000 denoted Packhouse Certificate Number and F123 denotes farm registration number). The same UIC shall be mentioned in packages by the exporter (Annexure-8). |
| | | 5.4 | Only upon receipt of analysis reports from authorized laboratory stating that the produce complies with the importing country's MRLs, the consignment shall be shipped by exporter alongwith PSC. |
| | | 5.5 | The exporter shall report to APEDA about rejection of vegetables by the importing countries within 2 working days from the date of such rejection, failing which APEDA will suspend recognition of concerned pack house. |

| | | | |
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| | | 5.6 | Onus of maintaining appropriate sorting, grading, handling, processing, packing and transportation in line with the good hygienic and sanitation practices envisaged by the importing country's food safety compliance requirements shall be of exporter/packhouse. |
| | | 5.7 | The APEDA recognized pack house(s) shall maintain a detailed log sheet of all the lots and consignments of vegetables exported from its facility. This needs to be submitted to APEDA on a daily basis by the next working day which APEDA can inspect any time. |
| | | 5.8 | The consignment found non-compliant with importing country's requirement shall be immediately evacuated from the establishment. |
| | | 5.9 | The APEDA recognized pack house(s) shall label vegetable consignment of each box as per the format given in Annexure-8 . |
| 6. | Procedure for issue of PSC, CAG and Health Certificate | 6.1 | The PSC shall be issued as per the guidelines prescribed by NPPO order dated 05.03.2014. |
| | | 6.2 | PSC shall be issued by designated official of NPPO based on certificate of analysis issued by authorized laboratories, wherever applicable. |
| | | 6.3 | The CA holder establishment/exporter shall send Demand Draft towards grading charges to the laboratory payable @ 0.1% of FOB value subject to a minimum of Rs. 200/- per consignment. The FOB value has been fixed at Rs. 40/kg. The laboratory shall send grading charges to the concerned office of DMI every fortnight. Failure to do so will block the concerned laboratory after a warning. |
| | | 6.4 | Health Certificate shall be issued, wherever applicable, by designated person of authorized laboratories in the format given in Annexure-9 . |
| 7. | Functions of APEDA | 7.1 | Overall monitoring will be carried out by APEDA. |
| | | 7.2 | APEDA will regularly monitor the functioning of each stakeholder to ensure implementation of these procedures. |
| 8. | Functions of NRL | 8.1 | The method of sampling and analysis shall be prescribed by National Research Centre for Grapes Pune, the National Referral Laboratory for exports of vegetables. |
| | | 8.2 | The NRL will finalize list of MRLs of agro chemicals to be monitored from time to time in consultation with the authorized laboratories, APEDA, exporters and any other concerned stakeholders. |

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| 9. | Penal Provision and appeal | 9.1 | In the event of breach of these procedures by any of the stakeholders, APEDA may initiate action as per the provision of APEDA Act, 1985 subject to jurisdiction of New Delhi, in addition to the followings. |
| | | 9.2 | Action against exporter: <ul style="list-style-type: none"> • On 1st failure: Warning to the concerned exporter. • On 2nd failure: 15 days' temporary ban on export of vegetables by the concerned exporter/packhouse. Labs will also be intimated of this so that no samples would be drawn from the banned exporter/packhouse. APEDA will inform NPPO for stopping issuance of PSC to said exporter. • On 3rd failure: Suspension of exports to the exporter/packhouse. Suspended exporter shall not be allowed to undertake exports from any other APEDA recognized pack house(s) till he conforms to requirements of clause 9.3 of this document. |
| | | 9.3 | Suspended exporter/packhouse may reapply for approval followed by satisfactory demonstration of compliance requirements. |
| | | 9.4 | In case of any deviation by laboratory from method of sampling as given in Annexure-5 of these procedures and analysis as recommended by NRL as well as difference in analysis report issued by the lab vis-a-vis the results of laboratory of importing country, authorization of the laboratory will be suspended. |
| | | 9.5 | Any exporter or laboratory may appeal within 15 days to the Chairman, APEDA to seek redressal. |
| 10 | Restoration of approval | 10.1 | APEDA will conduct re-inspection of packhouse, if required, to verify the compliances by the exporter. |
| | | 10.2 | Upon satisfactory compliance APEDA will intimate the exporter/packhouse about restoration of export activity. |

Place: New Delhi
Date: 19.08.2015

Signed/-
Krishan Kumar
Chairman, APEDA

E-mail: ddk.sharma@nic.in



Tel: 0129 2418506
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F.No. 115-1/2008/PQD

भारत सरकार

Government of India

कृषि मंत्रालय

Ministry of Agriculture

(कृषि एवं सहकारिता विभाग)

(Department of Agriculture & Cooperation)

वनस्पति संरक्षण, संगरोध एवं संग्रह निदेशालय

DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE

एनएच 4, फरीदाबाद (हरियाणा) - 121 001

N.H.-IV, FARIDABAD (HARYANA) - 121 001

Dated: August 29th, 2013

To,
All PSC issuing authorities
(as per list attached)

Subject: FVO-EU audit of Phytosanitary system - follow up regarding

Sir,

Please refer to this Directorate's letter of even number dated 29.7.2013 regarding the visit of FVO-EU team and the requisite follow up. In this connection, it is informed that a meeting was held under the chairmanship of Secretary (A&C) on 5th August, 2013 to follow up the action in which following decisions were taken:

- i) PSC issuing authorities should furnish Periodical Reports (Fortnightly/Monthly/Annual) on issuance of PSC. The report must contain the PSC number, date of issue, name of the commodity and Country of export.
- ii) The PSC issuing authority (ies), who do not issue PSC through Plant Quarantine Information System (PQIS), should undertake phytosanitary work online through PQIS network.
- iii) Since, the non-compliances (absence of ISPM-15 mark and pest interceptions) in Wood Packaging Material (WPM) are of a high order, Customs Officers may be sensitised for compliance of ISPM-15 on WPM.
- iv) In the event of future non-compliance, the authorization to issue PSC would be reviewed.

It is, therefore, advised to ensure timely submission of Periodical Reports and to adhere to the Export Inspection and Phytosanitary Certification procedures strictly to avoid any non-compliance in future.

Further, a Standard Operating Procedure for Export Inspection and Phytosanitary Certification of Vegetables and Fruits to EU countries in compliance to the commitment made with regard to the FVO team's recommendation has been developed and attached here with for information and compliance. You may go through the SOP and be clear on its implementation. Please be informed that all export inspection and phytosanitary certification for EU countries has to be strictly in line with the attached SOP w.e.f 1st September, 2013.

contd. - P/2.

-2-

You are also advised to refer Annex IV, Part A, Section I (copy attached) of the EU Council Directive 2000/29/EC of 8 May 2000 on protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community, for special conditions to be complied while issuing PSC for EU countries. Your attention is also invited to the section 13.5 of the SOP dealing with the sample size and informed that the number of total packages and the number of packages examined (as per the sampling regime mentioned in the SOP) must be recorded in the inspection report.

You are, therefore, requested to ensure that all necessary arrangements are put in place for implementation of the SOP and a compliance report may be submitted on all the action points enumerated above.

Encls: as above

Yours faithfully



(D.D.K.Sharma)
Addl.PPA (PQ)

Copy for information and further necessary action to:

1. Joint Secretary (PP), DAC, Krishi Bhavan, New Delhi
2. Commissioner/ Director, Concerned State Department of Agriculture / Horticulture .
3. Deputy Secretary (PP.II), DAC, Krishi Bhavan, New Delhi
4. Deputy Director, NPQS/RPQS for necessary action and further follow up in the region.



(D.D.K.Sharma)
Addl.PPA (PQ)

List of APEDA recognized Packhouses for exports of vegetables*

| Sl. No. | Name & Address of APEDA recognized Pack houses | APEDA Recognition No. | Valid Up to | Name & Address of Agmark CA holder of APEDA recognized Pack house | CA No. & Valid Up to | NPPO approval of Packhouse |
|---|--|-----------------------|-------------|---|----------------------|----------------------------|
| | | | | | | |
| Please refer to APEDA website for Annexure-2, List of recognized Packhouses for exports of vegetables | | | | | | |

*Approval of Packhouses for exports of vegetables is a continuous process. List of APEDA recognized Packhouses could be downloaded from its website from following web link:

http://apeda.gov.in/apedawebsite/Announcements/list_of_pack_house_fruits_vegetables.pdf

Sample slip for vegetables

Unique identification code _____ Sample slip No. _____

| No. | Contents | Details |
|-----|---|---------|
| 1. | Name and address of exporter | |
| 2. | Name & address of the Packhouse | |
| 3. | Packhouses Recognition No. & its validity | |
| 4. | Crop and variety | |
| 5. | Total quantity (in number of boxes, net weight and gross weight declared by exporter/establishment) covered in this sample slip | |
| 6. | Crop condition pertaining to pests and diseases | |
| 7. | Weight of total sample drawn | |
| 8. | Weight of the laboratory sample (including storage sample) | |
| 9. | Date and time of drawl of sample in the Packhouse/Farm | |
| 10. | Number of farms from whose produce sample drawn (farms monitored by exporter/establishment and the farms following uniform practices) | |

Signature of Exporter
Name of exporter

Signature of Packhouse representative
Name of representative of Packhouse

Certificate

This is to certify that:

1. I, _____ (Name of the authorized sampler of the authorized lab) have drawn this sample from the above establishment by adopting the method of sampling given in Annexure-5 of Procedure for export of vegetables.
2. This sample is taken from the above establishment/farm, which is intended to be exported by _____ (name of the CA holder exporter). There is no application of agri inputs and spray between sampling and harvesting (in case of sample drawn from the farm).
3. I have also obtained a copy of the Packhouse recognition Certificate/Farm registration.
4. That, as on date, APEDA recognition of this laboratory is valid.

Date:
Place:

Signature :
Name of authorized :
Representative of
Authorized Laboratory
Official address :

Annexure-4A

List of authorized laboratories for sampling and analysis

| No. | Name and contact details of the laboratory | Scope |
|-----|--|------------------------------------|
| | National Research Centre on Grapes (Indian Council of Agricultural Research) P.B. No. 3, Manjri Farm Post, Solapur Road, Pune 412 307 Tel.: +91-20-26956002 EPABX: +91-20-26956000 Fax: +91-20-26956099 nrcgrapes@gmail.com; apedanrl@gmail.com; | NRL for products of plant origin |
| 1 | Arbro Pharmaceuticals Limited Analytical Division 4/9 Kirti Nagar Industrial Area New Delhi 110 015 Tel : 011-45754575, 9871700488 Fax: 011-45754545 arbrolab@arbropharma.com; saurabharora@arbropharma.com; | NABL accredited & APEDA recognized |
| 2 | Bureau Veritas Consumer Products Services India Private Limited (BVCPS) F-2 Phase-III Thiruvika Industrial Estate Ekkattuthangal Guindy Chennai 600032 Tel: 044-4967 4000 Fax: 044-22491651 Ramesh.kumar@in.bureauveritas.com; ramar.r@in.bureauveritas.com; | -do- |
| 3 | Centre for Food Testing Bharati Vidyapeeth Deemed University 5 th Floor Centre for Advanced Research in Pharmaceutical Sciences Building Bharati Vidyapeeth Educational Complex Erandwane Pune 411 038 Tel: 020-65737381,82,83 cft.bvdu@gmail.com; | -do- |
| 4 | Delhi Test House A-62/3 G. T. Karnal Road Industrial Area Opp Hans Cinema Azadpur Delhi 110 033 Tel : 011-27437327, 27435509, 27427672 Telefax: 011-27435509, 27437327 info@delhitesthouse.com; dg@delhitesthouse.com; | -do- |
| 5 | Envirocare Labs Pvt. Ltd. A-7 MIDC Wagle Industrial Estate Main Road Thane 400 604 Tel: 022-25838286-88 Fax: 25838289 info@envirocare.co.in; | -do- |
| 6 | Geo Chem Laboratories Pvt. Ltd. Pragati, Adjacent to Crompton Greaves Kanjur Marg (E) Mumbai 400 042 Tel: 022-61915100 Fax: 022-61915101 sureshbabu.p@geochem.net.in; laboratory@geochem.net.in; | -do- |
| 7 | Interfield Laboratories XIII/1208, Interprint House Kochi 682 005 Tel: 0484-2217865, 2210915, 221838 mail@interfieldlaboratories.com; | -do- |
| 8 | MicroChem Silliker Pvt. Ltd. MicroChem House A-513 TTC Industrial Area MIDC Mahape Navi Mumbai 400 701 Tel: 022-27787800 vidhya.gangar@microchem.co.in; dhanya.dhumal@microchem.co.in; | -do- |
| 9 | National Collateral Management Services Limited (NCML) Team Towers, 4 th Floor, Plot No. A-1/2/A Industrial Park IDA-Uppal Hyderabad 500 039 Tel: 040-27176840 ganesh.r@ncmsl.com; quality@ncml.com; commgrade@ncmsl.com; | -do- |
| 10 | National Horticultural Research & Development Foundation (NHRDF) Pesticide Residue Analysis Laboratory Research Complex Chittegoan Phata P.O. Darna Sangvi Tq. Niphad Nashik Aurangabad Road Nashik 422 003 Tel: 02550-237551, 237816 Fax: 237947 nhrdf_nsk@sancharnet.in;drpkgupta11@gmail.com; | -do- |

| | | |
|----|---|------|
| 11 | Reliable Analytical Laboratories Pvt. Ltd. 125/139 Indian Corporation Mankoli Gundavli Bhiwandi Thane 421 302 Tel: 02522-398100 harshal@reliablelabs.org; rashmi@reliablelabs.org;vikas@reliablelabs.org; | -do- |
| 12 | SGS India Pvt. Ltd. Opposite to State Bank of India 28 B/1 (SP), 28 B/2 (SP) 2 nd Main Road Ambattur Industrial Estate Chennai 600 058 Tel: 044-66693109 Fax: 24963075 av.abraham@sgs.com; dipjyoti.banerjee@sgs.com; | -do- |
| 13 | SMS Labs Services Private Limited 39/6 Thiruvallur High Road Puduchatrm Post Thirumazhisai Via Poonamalee TK Chennai 600 124 Tel: 044-26811997, 26811993 Cell: 09444418694 sharadhangm@gmail.com; smslab2012@yahoo.in; | -do- |
| 14 | Shriram Institute for Industrial Research 14-15 Sadarmangla Industrial Area Whitefield Road Bangalore 560 048 Tel: 080-28410172, 28410165/166/167 Fax :28410189 sribglr@vsnl.com; sribglr@bgl.vsnl.net.in; ark@shriraminate-bangalore.org; | -do- |
| 15 | TUV India Pvt Ltd. Survey No: 423/1 & 3/2 Near Pashankar Auto (Baner) Sus-Pashan Road Pune 411 021 Tel: 020-67900000 vkgupta@tuv-nord.com; foodlab@tuv-nord.com; mumbai@tuv-nord.com; | -do- |
| 16 | TUV Sud South Asia Pvt. Ltd. No. 151, 2nd C Main, 2nd stage Peenya Industrial Estate Bangalore 560058 Tel: 080-67458000 Fax: 080-67458058 suresh.kumar@tuv-sud.in; meena.mariappan@tuv-sud.in; | -do- |
| 17 | Vimta Labs Ltd. Plot No. 5 SP Biotech Park Genome Valley Shameerpet Mandal RR District Hyderabad 500 078 Tel: 040-39848484 Fax: 040-27263657 quality@vimta.com; | -do- |

Annexure-4B**DMI approved laboratories for the grading and marking of vegetables for export**

| Sl. No. | Name of the laboratory |
|---------|---|
| 01 | Pesticide Residue Analysis Laboratory, National Horticultural Researches and Development Foundation (NHRDF), P.B. No. 61, Kanada Batata Bhavan, 2954-E, New Mumbai Agra Road, Nasik - 422 011 |
| 02 | Reliable Analytical Laboratory Pvt. Ltd. Mankoli Naka, Bhiwandi Thane - 421 302 |
| 03 | Vimta Labs Ltd., Plot No.5, SP Bio-tech Park, Genome Valley, Shamirpet(M), Hyderabad-500078 |
| 04 | SGS India Ltd., 1/509 A, Old Mahabalipuram Road, Opp. Govt. High School, Thoraipakkam, Chennai - 600 085 |
| 05 | Shriram Institute for Industrial Research Plot 14 & 15 Sadarmangla Industrial Area, White Field Road, Bangalore - 560 048 |
| 06 | Interfield Laboratories XIII/1208A, Interprint House Kochi - 682005 |
| 07 | Delhi Test House A-62/3, G.T. Karnal Road, Indl. Area Opp. Hans Cinema, Azadpur, Delhi - 110033. |
| 08 | M/s ARBRO Pharmaceuticals Ltd. 4/9, Kirti Nagar Industrial Area, New Delhi - 110015. |
| 09 | M/s. National Collateral Management Services Limited, D.No.4-7-18/6B, Raghavendra Nagar Nacharam, Hyderabad - 500 076. |
| 10 | Geo-Chem Lab Pvt. Ltd. 36, Raja Industrial Estate, 1 st Floor, Purushottam Kheraj Marg, Mulund (West), Mumbai – 400 080. |
| 11 | Pesticide Residue Testing Laboratory Krishibhavan, Shivajinagar, Pune - 411005 |
| 12 | Microchem Laboratory Pvt. Ltd. Microchem House, A-513, TTC Industrial Area MIDC, Mahape Navi Mumbai - 400701 |
| 13 | M/S TUV India Private Ltd. 814, Demech House, 2 nd Floor Law College Road, Pune - 411004 |

Method of sampling for determination of MRLs for exports of vegetables

Vegetables sampling shall be carried out as per the requirements of importing country's regulations either from the APEDA recognized pack-houses/establishments or from the farms. A representative sample of produce shall be drawn from a lot traceable with unique identification code.

Definition of lot and consignment

A quantity of material at one time and known, or presumed, by the sampling officer to have uniform characteristics such as origin, producer, variety, packer, type of packing, markings, consignor, etc.

Each lot shall have a unique identification code which shall be clearly mentioned on the outside (external part) of the corrugated box.

A consignment may consist of one or more lots. In case where a consignment is comprised of lots which can be identified as originating from different growers (following different practices), etc., each lot shall be sampled and analyzed separately. Similarly, one lot can also have more than one consignment. Even in such cases, there shall be one sampling and analysis for that lot.

To establish traceability of the produce, the sampling shall be done either from APEDA registered pack-houses or from the farm. In case, a consignment is created by mixing produce from more than one farm (following different practices) or different lots, then each individual farm produce or lot shall be given a unique identification code, sampled separately and analyzed individually. Thus, e.g. if a consignment contains produces from 5 different farms (following different practices) or lots, then the consignment shall carry 5 separate residue analysis certificates. If any of the certificates indicate non-compliance to the MRL then that particular lot shall not be included in the consignment.

In case the farm(s)/group of farm(s) are monitored by exporter(s) and the farm(s) following uniform production practices, the exporter may opt for sampling and analysis of produce either as mentioned above or consignment wise.

A consignment may comprise produce of optimum 10 farms for Bitter Gourd, Brinjal, Drumstick, 5 farms for Curry leaves and 30 farms for Green Chillies (Table-1), provided these farms have adopted uniform pre harvest practices and are maintaining same PHI so that the samples drawn for residue analysis are homogenous and representative of the supplying farms.

Materials required for sampling

- Large Polythene bags
- Tags
- Knife

Paperwork

- Sample slip (as given in Annexure-3)
- Sampling procedures

Contamination and deterioration of samples must be prevented at all stages, because they may affect the analytical results. Each lot to be checked for compliance must be sampled separately.

Avoid sampling from wet boxes, if the weather is bad. Many agrochemicals/pesticides are water soluble so rainwater could result in pesticide cross-contaminating other boxes.

The minimum of primary samples to be drawn from a lot is as given below:

Table-1

| Commodity classification | Nature of primary sample to be taken | Minimum size of each laboratory Sample |
|---|---|--|
| (i) Bitter Gourd, Brinjal and Drumstick (Units generally < 100g) | Whole units | 4 kg (around 400 g from 10 primary sampling locations) |
| (ii) Curry Leaves (Units generally < 5g) | Whole units | 50 g (around 10 g from 5 primary sampling locations) |
| (iii) Green Chillies (Units generally < 25g) | Whole units | 1 kg (around 200 g from 30 primary sampling locations) |

The selected lot of above products shall be divided into 10, 5 and 30 primary sampling locations corresponding to 10, 5 and 30 farms respectively, selecting one location of each farm produce and draw samples from each location as described in table given above. Irrespective of number of optimum supplying farms in one consignment, primary sampling shall be done from minimum 10, 5 and 30 locations as described in the above table.

The laboratory sample shall be thoroughly mixed up by quartering technique and divided into 2 parts:

- Sample for direct analysis by the laboratory (half quantity of produce)
- Counter sample for further analysis in future, (half quantity of produce). The authorized laboratories shall retain counter sample(s) in controlled conditions in Cold Store at appropriate temperature for a period of 21 days from the date of issue of analysis certificate.

Packing and transport of sample

The samples should be packed separately in clean and virgin polythene bags designed for transport of vegetables. Sample slip given at Annexure-3 should be kept in a polyethylene cover and the same

should be inserted in the bags. The bags should be labeled from outside with the following information:

- Sample for Residue Analysis of _____ (name of vegetable)
- Sample slip number
- Date of sampling
- Time of sampling
- Unique identification code of the lot
- Farmer identification code
- Name of the authorized representative (sampler) of the laboratory with signature

Sealed samples shall reach the laboratory within 18 hours of sampling from the packhouse/ establishments/farms. Enough care should be taken to prevent any spoilage of the samples during transit.

List of agrochemicals to be analyzed as per the harmonized MRLs

| Sr. No. | Name of vegetable | Appendix |
|----------------|--------------------------|-----------------|
| 1 | Bitter Gourd | 1 |
| 2 | Brinjal | 2 |
| 3 | Curry Leaves | 3 |
| 4 | Drumstick | 4 |
| 5 | Green Chillies | 5 |

Format of Certificate of residue analysis for exports of vegetables
(To be issued by the authorized laboratories)

- 1) Unique identification Code _____ (please refer sample slip)
- 2) Farmer identification Code _____ (please refer sample slip)
- 3) APEDA registration (RCMC No.) of exporter
- 4) Name and address of the Establishment
- 5) Establishment approval No. & validity (issued by APEDA)
- 6) Sample details
 - a) Place _____ date _____ and time _____ of sample drawn
 - b) Quantity of sample
 - c) Packing
 - d) Laboratory sample code No.
- 7) Name _____ of the representative of Authorized Laboratory who has drawn the sample
- 8) Date _____ of receipt of sample in laboratory
- 9) Date _____ of completion of analysis

| Sr. No | Names of chemicals | Importing country's MRL (mg/kg) | Residue content (mg/kg) | Limit of Determination (mg/kg) | Method analysis | Equipment used for analysis |
|--------|--------------------|---------------------------------|-------------------------|--------------------------------|-----------------|-----------------------------|
| 1. | 2. | 3 | 4. | 5. | 6. | 7 |
| | | | | | | |

Certificate

- 1) This is to certify that the sample was drawn by our authorized representative from Establishment having approval No. _____ and has been analysed by us. The sample was tested for the residue of the chemicals mentioned above and the residue content in the sample is as given in Column 4 of the table given above.
- 2) The APEDA & DMI recognition of this laboratory is valid as on date.

Result: Sample conforms/does not conform to MRL requirements with respect to the above listed chemicals (strike out whichever is not applicable).

Date:
Place:

Signature of authorized signatory of
Authorized Laboratory alongwith seal

Label to be affixed in each box meant for exports of vegetables
(To be affixed by the exporter/recognized packhouse)

| | |
|----------------------------|---------------|
| Name of Produce | |
| Date of harvest | dd/mm/yy |
| Date of packing | dd/mm/yy |
| Unique Identification Code | AAAPHL000F123 |

- AAA: Three alphabet code name of exporter to be given by APEDA
PHL: Three alphabet packhouse location code to be given by APEDA
000: Three numeric packhouse approval number code to be given by APEDA
F123: Four Alphanumeric Farmer registration code to be given by exporter

Format of Health Certificate for exports of Curry Leaves to EU

.....(*)

Consignment Code.....Certificate Number.....

According to the provisions of Commission implementing Regulation (EU) No. 885/2014 laying down specific conditions applicable to the import of Curry leaves from India and repealing Commission Implementing Regulations (EU) No. 91/2013, the

.....(competent authority referred to in Article 5(2) of Regulation..... CERTIFIES that the.....

..... (insert food referred to in Article 1 of Regulation) of this consignment composed of

.....(description of consignment, product, number and type of packages, gross or net weight) embarked at (embarkation place)

by (identification of transporter)

going to (place and country of destination)

which comes from the establishment..... (name and address of establishment)

have been produced, sorted, handled, processed, packaged and transported in line with good hygiene practices.

From this consignment, samples were taken in accordance with the Union legislation Commission Directive 2002/63/EC

on..... (date), subjected to laboratory analysis on (date)

in the (name of laboratory). The details of sampling, methods of analysis used and all results are attached.

This certificate is valid until.....

Done aton.....

Stamp and signature of Authorized representative of competent authority referred to in Article 5(2) of Regulation 885/2014

..... (*) Product and country of origin.

* * * * *

MRLs of Bitter Gourd

| Sr. No. | Details of agrochemicals | MRLs mg/kg |
|---------|---|------------|
| 1. | 1-Naphthylacetic acid (Alpha Naphthyl Acetic Acid) | 0.05* |
| 2. | 4-bromo-2-chlorophenol (metabolite of Profenophos) | 0.01* |
| 3. | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a) (F) | 0.02 |
| 4. | Acephate | 0.01* |
| 5. | Acetamiprid (R) | 0.3 |
| 6. | Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F) | 0.05 |
| 7. | Allethrin and Bioallethrin | 0.01* |
| 8. | Atrazine (F) | 0.05* |
| 9. | Azadirachtin | 1 |
| 10. | Azoxystrobin | 1 |
| 11. | Bendiocarb | 0.01* |
| 12. | Benomyl(see carbendazim) | 0.1* |
| 13. | Bifenthrin (F) | 0.1 |
| 14. | Bitertanol (F) | 0.01* |
| 15. | Buprofezin (F) | 0.7 |
| 16. | Capropamid | 0.01* |
| 17. | Captafol (F) | 0.02* |
| 18. | Captan (R) | 0.02* |
| 19. | Carbaryl (F) | 0.01* |
| 20. | Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R) | 0.1* |
| 21. | Carbofuran (sum of carbofuran and 3- hydroxy-carbofuran expressed as carbofuran) | 0.01* |
| 22. | Carbosulfan | 0.01* |
| 23. | Cartap hydrochloride | 0.01* |
| 24. | Chlorantraniliprole (DPX E-2Y45) (F) | 0.3 |
| 25. | Chlordane (sum of cis- and trans-chlordane) (F) (R) | 0.01* |
| 26. | Chlorfenapyr | 0.01* |
| 27. | Chlorfenvinphos (F) | 0.01* |
| 28. | Chlorimuron ethyl | 0.01* |
| 29. | Chlormequat | 0.05* |
| 30. | Chlorpropham (F) (R) (A) | 0.01* |
| 31. | Chlorpyrifos (F) | 0.05* |
| 32. | Chlorpyrifos-methyl (F) | 0.05* |
| 33. | Clothianidin | 0.02* |
| 34. | Cyantraniliprole | 0.3 |
| 35. | Cyazofamid | 0.2 |
| 36. | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum | 0.1 |

| | | |
|-----|---|--------|
| | of isomers)) (F) | |
| 37. | Cymoxanil | 0.1 |
| 38. | Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F) | 0.2 |
| 39. | Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam) | 0.02* |
| 40. | DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) | 0.05* |
| 41. | Deltamethrin (cis-deltamethrin) (F) | 0.2 |
| 42. | Diafenthiuron | 0.01* |
| 43. | Diazinon (F) | 0.01* |
| 44. | Dichlorvos | 0.01* |
| 45. | Dicofol (sum of p, p' and o,p' isomers) (F) | 0.02* |
| 46. | Dieldrin (see Aldrin) | 0.05 |
| 47. | Difenoconazole | 0.3 |
| 48. | Diflubenzuron (F) (R) | 0.05* |
| 49. | Dimethachlor | 0.02* |
| 50. | Dimethoate (sum of dimethoate and omethoate expressed as dimethoate) | 0.02* |
| 51. | Dimethomorph (sum of isomers) | 0.5 |
| 52. | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) and Meptyldinocap | 0.05* |
| 53. | Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram) | 2 |
| 54. | Dodine | 0.05* |
| 55. | Emamectin benzoate B1a, expressed as emamectin | 0.01* |
| 56. | Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan) (F) | 0.05* |
| 57. | Endrin (F) | 0.01* |
| 58. | Ethephon | 0.05* |
| 59. | Ethion | 0.01* |
| 60. | Etofenprox (F) | 0.01* |
| 61. | Etoxazole | 0.02* |
| 62. | Fenamidone | 0.2 |
| 63. | Fenazaquin | 0.2 |
| 64. | Fenitrothion | 0.01* |
| 65. | Fenpropathrin | 0.01* |
| 66. | Fenpyroximate (F) | 0.1 |
| 67. | Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F) | 0.01* |
| 68. | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfvalerate) (F) (R) | 0.02* |
| 69. | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005* |
| 70. | Flubendiamide (F) | 0.15 |
| 71. | Flufenzin | 0.02* |
| 72. | Flusilazole (F) (R) | 0.01* |

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| 73. | Gibberellic Acid | 0.01* |
| 74. | HCH (sum of isomers, except the gamma isomer) | 0.01* |
| 75. | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F) | 0.01* |
| 76. | Hexaconazole | 0.01* |
| 77. | Hexythiazox | 0.5 |
| 78. | Imazethapyr | 0.01* |
| 79. | Imidacloprid | 1 |
| 80. | Indoxacarb (sum of indoxacarb and its R enantiomer) (F) | 0.5 |
| 81. | Iprobenfos | 0.01* |
| 82. | Isoprothiolane | 0.01* |
| 83. | Kresoxim-methyl (F) (R) | 0.05* |
| 84. | Lambda-Cyhalothrin (F) (R) | 0.1 |
| 85. | Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F) | 0.01* |
| 86. | Lufenuron(F) | 0.2 |
| 87. | Malathion (sum of malathion and malaaxon expressed as malathion) | 0.02* |
| 88. | Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)) | 0.05* |
| 89. | Methamidophos | 0.01* |
| 90. | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl) | 0.1 |
| 91. | Metribuzin | 0.1* |
| 92. | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin) | 0.02* |
| 93. | Monocrotophos | 0.01* |
| 94. | Myclobutanyl (R) | 0.1 |
| 95. | Novaluron (F) | 0.1 |
| 96. | Omethoate | 0.02* |
| 97. | Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl) | 0.01* |
| 98. | Oxyfluorfen | 0.05* |
| 99. | Paclobutrazol | 0.02* |
| 100. | Parathion (F) | 0.05* |
| 101. | Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl) | 0.01* |
| 102. | Penconazole (F) | 0.1 |
| 103. | Pencycuron (F) | 0.05* |
| 104. | Pendimethalin (F) | 0.05* |
| 105. | Permethrin (sum of isomers) | 0.05* |
| 106. | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) | 0.01* |
| 107. | Phosalone | 0.01* |
| 108. | Phosphamidon | 0.01* |
| 109. | Picoxystrobin (F) | 0.01* |
| 110. | Profenofos (F) | 0.01* |
| 111. | Propargite (F) | 0.01* |

| | | |
|------|--|--------|
| 112. | Propiconazole | 0.05* |
| 113. | Pyraclostrobin (F) | 0.5 |
| 114. | Pyridalyl | 0.01* |
| 115. | Pyriproxyfen (F) | 0.05* |
| 116. | Quinalphos (F) | 0.05* |
| 117. | Quizalofop, incl. quizalfop-P | 0.4 |
| 118. | Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad (F) | 0.2 |
| 119. | Spiromesifen | 0.3 |
| 120. | Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R) | 0.2 |
| 121. | Tau-Fluvalinate (F) | 0.01* |
| 122. | Tebuconazole (R) | 0.2 |
| 123. | Tebufenozide (F) | 0.1 |
| 124. | Tetracycline | 0.01* |
| 125. | Thiacloprid (F) | 0.3 |
| 126. | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | 0.5 |
| 127. | Thiodicarb | 0.1 |
| 128. | Thiophanate-methyl (R) | 0.1* |
| 129. | Tolfenpyrad | 0.01* |
| 130. | Transfluthrin | 0.01* |
| 131. | Triacontanol | 0.01* |
| 132. | Triadimefon and triadimenol (sum of triadimefon and triadimenol) (F) | 0.2 |
| 133. | Triazophos (F) | 0.01* |
| 134. | Trichlorfon | 0.01* |
| 135. | Tricyclazole | 0.05* |
| 136. | Tridemorph (F) | 0.01* |
| 137. | Trifloxystrobin (F) (R) | 0.2 |
| 138. | Triforine | 0.01* |
| 139. | Validamycin | 0.01* |
| 140. | Zinc | 50*** |
| 141. | Copper | 30*** |
| 142. | Lead | 0.1 |
| 143. | Cadmium | 0.05 |
| 144. | Arsenic | 1.1*** |
| 145. | Mercury | 1.0*** |

* EU-MRL set at LOQ (mg/kg) as per

http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

Reference for MRL on heavy metals: Commission Regulation (EC) No 1881/2006 of 19th December 2006

(F) = Fat soluble

(R) = Residue definition includes metabolites/isomers

MRLs of Brinjal

| Sr. No. | Details of agrochemicals | MRLs mg/kg |
|---------|---|------------|
| 1. | 1-Naphthylacetic acid (Alpha Naphthyl Acetic Acid) | 0.05* |
| 2. | 4-bromo-2-chlorophenol (metabolite of Profenophos) | 0.01* |
| 3. | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a) (F) | 0.02 |
| 4. | Acephate | 0.01* |
| 5. | Acetamiprid (R) | 0.2 |
| 6. | Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F) | 0.01* |
| 7. | Allethrin and Bioallethrin | 0.01* |
| 8. | Atrazine (F) | 0.05* |
| 9. | Azadirachtin | 1 |
| 10. | Azoxystrobin | 3 |
| 11. | Bendiocarb | 0.01* |
| 12. | Benomyl(see carbendazim) | 0.5 |
| 13. | Bifenthrin (F) | 0.3 |
| 14. | Bitertanol (F) | 0.01* |
| 15. | Buprofezin (F) | 1 |
| 16. | Capropamid | 0.01* |
| 17. | Captafol (F) | 0.02* |
| 18. | Captan (R) | 0.02* |
| 19. | Carbaryl (F) | 0.01* |
| 20. | Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R) | 0.5 |
| 21. | Carbofuran (sum of carbofuran and 3- hydroxy-carbofuran expressed as carbofuran) | 0.01* |
| 22. | Carbosulfan | 0.01* |
| 23. | Cartap hydrochloride | 0.01* |
| 24. | Chlorantraniliprole (DPX E-2Y45) (F) | 0.6 |
| 25. | Chlordane (sum of cis- and trans-chlordane) (F) (R) | 0.01* |
| 26. | Chlorfenapyr | 0.01* |
| 27. | Chlorfenvinphos (F) | 0.01* |
| 28. | Chlorimuron ethyl | 0.01* |
| 29. | Chlormequat | 0.05* |
| 30. | Chlorpropham (F) (R) (A) | 0.01* |
| 31. | Chlorpyrifos (F) | 0.5 |
| 32. | Chlorpyrifos-methyl (F) | 0.5 |
| 33. | Clothianidin | 0.05 |
| 34. | Cyantraniliprole | 0.01* |
| 35. | Cyazofamid | 0.01* |
| 36. | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum | 0.1 |

| | | |
|-----|---|--------|
| | of isomers)) (F) | |
| 37. | Cymoxanil | 0.05* |
| 38. | Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F) | 0.5 |
| 39. | Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam) | 0.02* |
| 40. | DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) | 0.05* |
| 41. | Deltamethrin (cis-deltamethrin) (F) | 0.3 |
| 42. | Diafenthiuron | 0.01* |
| 43. | Diazinon (F) | 0.01* |
| 44. | Dichlorvos | 0.01* |
| 45. | Dicofol (sum of p, p' and o,p' isomers) (F) | 0.02* |
| 46. | Dieldrin (see Aldrin) | 0.01* |
| 47. | Difenoconazole | 0.6 |
| 48. | Diflubenzuron (F) (R) | 0.05* |
| 49. | Dimethachlor | 0.02* |
| 50. | Dimethoate (sum of dimethoate and omethoate expressed as dimethoate) | 0.02* |
| 51. | Dimethomorph (sum of isomers) | 1 |
| 52. | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) and Meptyldinocap | 0.02* |
| 53. | Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram) | 3 |
| 54. | Dodine | 0.05* |
| 55. | Emamectin benzoate B1a, expressed as emamectin | 0.02 |
| 56. | Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan) (F) | 0.05* |
| 57. | Endrin (F) | 0.01* |
| 58. | Ethephon | 0.05* |
| 59. | Ethion | 0.01* |
| 60. | Etofenprox (F) | 0.5 |
| 61. | Etoxazole | 0.1 |
| 62. | Fenamidone | 1 |
| 63. | Fenazaquin | 0.5 |
| 64. | Fenitrothion | 0.01* |
| 65. | Fenpropathrin | 0.01* |
| 66. | Fenpyroximate (F) | 0.2 |
| 67. | Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F) | 0.01* |
| 68. | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfvalerate) (F) (R) | 0.06 |
| 69. | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005* |
| 70. | Flubendiamide (F) | 0.2 |
| 71. | Flufenzin | 0.02* |
| 72. | Flusilazole (F) (R) | 0.01* |

| | | |
|------|--|-------|
| 73. | Gibberellic Acid | 0.01* |
| 74. | HCH (sum of isomers, except the gamma isomer) | 0.01* |
| 75. | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F) | 0.01* |
| 76. | Hexaconazole | 0.01* |
| 77. | Hexythiazox | 0.5 |
| 78. | Imazethapyr | 0.01* |
| 79. | Imidacloprid | 0.5 |
| 80. | Indoxacarb (sum of indoxacarb and its R enantiomer) (F) | 0.5 |
| 81. | Iprobenfos | 0.01* |
| 82. | Isoprothiolane | 0.01* |
| 83. | Kresoxim-methyl (F) (R) | 0.5 |
| 84. | Lambda-Cyhalothrin (F) (R) | 0.5 |
| 85. | Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F) | 0.01* |
| 86. | Lufenuron(F) | 0.2 |
| 87. | Malathion (sum of malathion and malaoxon expressed as malathion) | 0.02* |
| 88. | Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)) | 0.05* |
| 89. | Methamidophos | 0.01* |
| 90. | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl) | 0.02* |
| 91. | Metribuzin | 0.1* |
| 92. | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin) | 0.02* |
| 93. | Monocrotophos | 0.01* |
| 94. | Myclobutanyl (R) | 0.3 |
| 95. | Novaluron (F) | 0.5 |
| 96. | Omethoate | 0.02* |
| 97. | Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl) | 0.01* |
| 98. | Oxyfluorfen | 0.05* |
| 99. | Paclobutrazol | 0.02* |
| 100. | Parathion (F) | 0.05* |
| 101. | Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl) | 0.01* |
| 102. | Penconazole (F) | 0.1 |
| 103. | Pencycuron (F) | 0.05* |
| 104. | Pendimethalin (F) | 0.05* |
| 105. | Permethrin (sum of isomers) | 0.05* |
| 106. | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) | 0.01* |
| 107. | Phosalone | 0.01* |
| 108. | Phosphamidon | 0.01* |
| 109. | Picoxystrobin (F) | 0.01* |
| 110. | Profenofos (F) | 0.01* |
| 111. | Propargite (F) | 2 |

| | | |
|------|--|--------|
| 112. | Propiconazole | 0.05* |
| 113. | Pyraclostrobin (F) | 0.3 |
| 114. | Pyridalyl | 1 |
| 115. | Pyriproxyfen (F) | 1 |
| 116. | Quinalphos (F) | 0.05* |
| 117. | Quizalofop, incl. quizalofop-P | 0.4 |
| 118. | Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad (F) | 1 |
| 119. | Spiromesifen | 0.5 |
| 120. | Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R) | 2 |
| 121. | Tau-Fluvalinate (F) | 0.15 |
| 122. | Tebuconazole (R) | 0.4 |
| 123. | Tebufenozide (F) | 0.5 |
| 124. | Tetracycline | 0.01* |
| 125. | Thiacloprid (F) | 0.5 |
| 126. | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | 0.2 |
| 127. | Thiodicarb | 0.02* |
| 128. | Thiophanate-methyl (R) | 2 |
| 129. | Tolfenpyrad | 0.01* |
| 130. | Transfluthrin | 0.01* |
| 131. | Triacontanol | 0.01* |
| 132. | Triadimefon and triadimenol (sum of triadimefon and triadimenol) (F) | 1 |
| 133. | Triazophos (F) | 0.01* |
| 134. | Trichlorfon | 0.01* |
| 135. | Tricyclazole | 0.05* |
| 136. | Tridemorph (F) | 0.01* |
| 137. | Trifloxystrobin (F) (R) | 0.7 |
| 138. | Triforine | 0.01* |
| 139. | Validamycin | 0.01* |
| 140. | Zinc | 50*** |
| 141. | Copper | 30*** |
| 142. | Lead | 0.1 |
| 143. | Cadmium | 0.05 |
| 144. | Arsenic | 1.1*** |
| 145. | Mercury | 1.0*** |

* EU-MRL set at LOQ (mg/kg) as per

http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

Reference for MRL on heavy metals: Commission Regulation (EC) No 1881/2006 of 19th December 2006

(F) = Fat soluble

(R) = Residue definition includes metabolites/isomers

MRLs of Curry Leaves

| Sr. No. | Details of agrochemicals | MRLs mg/kg |
|---------|---|------------|
| 1. | 1-Naphthylacetic acid (Alpha Naphthyl Acetic Acid) | 0.05* |
| 2. | 4-bromo-2-chlorophenol (metabolite of Profenophos) | 0.01* |
| 3. | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a) (F) | 1 |
| 4. | Acephate | 0.02* |
| 5. | Acetamiprid (R) | 3 |
| 6. | Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F) | 0.01* |
| 7. | Allethrin and Bioallethrin | 0.01* |
| 8. | Atrazine (F) | 0.05* |
| 9. | Azadirachtin | 1 |
| 10. | Azoxystrobin | 70 |
| 11. | Bendiocarb | 0.01* |
| 12. | Benomyl(see carbendazim) | 0.1* |
| 13. | Bifenthrin (F) | 0.05* |
| 14. | Bitertanol (F) | 0.02* |
| 15. | Buprofezin (F) | 4 |
| 16. | Capropamid | 0.01* |
| 17. | Captafol (F) | 0.05* |
| 18. | Captan (R) | 0.02* |
| 19. | Carbaryl (F) | 0.02* |
| 20. | Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R) | 0.1* |
| 21. | Carbofuran (sum of carbofuran and 3- hydroxy-carbofuran expressed as carbofuran) | 0.02* |
| 22. | Carbosulfan | 0.02* |
| 23. | Cartap hydrochloride | 0.01* |
| 24. | Chlorantraniliprole (DPX E-2Y45) (F) | 20 |
| 25. | Chlordane (sum of cis- and trans-chlordane) (F) (R) | 0.01* |
| 26. | Chlorfenapyr | 0.02* |
| 27. | Chlorfenvinphos (F) | 0.02* |
| 28. | Chlorimuron ethyl | 0.01* |
| 29. | Chlormequat | 0.05* |
| 30. | Chlorpropham (F) (R) (A) | 0.02* |
| 31. | Chlorpyrifos (F) | 0.05* |
| 32. | Chlorpyrifos-methyl (F) | 0.05* |
| 33. | Clothianidin | 1.5 |
| 34. | Cyantraniliprole | 0.01* |
| 35. | Cyazofamid | 0.02* |
| 36. | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum | 0.02* |

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| | of isomers)) (F) | |
| 37. | Cymoxanil | 0.05* |
| 38. | Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F) | 2 |
| 39. | Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam) | 0.02* |
| 40. | DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) | 0.05* |
| 41. | Deltamethrin (cis-deltamethrin) (F) | 0.5 |
| 42. | Diafenthiuron | 0.01* |
| 43. | Diazinon (F) | 0.02* |
| 44. | Dichlorvos | 0.01* |
| 45. | Dicofol (sum of p, p' and o,p' isomers) (F) | 0.02* |
| 46. | Dieldrin (see Aldrin) | 0.01* |
| 47. | Difenoconazole | 2 |
| 48. | Diflubenzuron (F) (R) | 0.2 |
| 49. | Dimethachlor | 0.02* |
| 50. | Dimethoate (sum of dimethoate and omethoate expressed as dimethoate) | 0.02* |
| 51. | Dimethomorph (sum of isomers) | 10 |
| 52. | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) and Meptyldinocap | 0.05* |
| 53. | Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram) | 5 |
| 54. | Dodine | 0.1* |
| 55. | Emamectin benzoate B1a, expressed as emamectin | 1 |
| 56. | Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan) (F) | 0.05* |
| 57. | Endrin (F) | 0.01* |
| 58. | Ethephon | 0.05* |
| 59. | Ethion | 0.01* |
| 60. | Etofenprox (F) | 3 |
| 61. | Etoxazole | 0.02* |
| 62. | Fenamidone | 60 |
| 63. | Fenazaquin | 0.01* |
| 64. | Fenitrothion | 0.02* |
| 65. | Fenpropathrin | 0.01* |
| 66. | Fenpyroximate (F) | 0.05* |
| 67. | Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F) | 0.01* |
| 68. | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R) | 0.05* |
| 69. | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005* |
| 70. | Flubendiamide (F) | 0.01* |
| 71. | Flufenzin | 0.05* |
| 72. | Flusilazole (F) (R) | 0.02* |

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| 73. | Gibberellic Acid | 0.01* |
| 74. | HCH (sum of isomers, except the gamma isomer) | 0.01* |
| 75. | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F) | 0.01* |
| 76. | Hexaconazole | 0.02* |
| 77. | Hexythiazox | 0.5 |
| 78. | Imazethapyr | 0.01* |
| 79. | Imidacloprid | 2 |
| 80. | Indoxacarb (sum of indoxacarb and its R enantiomer) (F) | 2 |
| 81. | Iprobenfos | 0.01* |
| 82. | Isoprothiolane | 0.01* |
| 83. | Kresoxim-methyl (F) (R) | 0.05* |
| 84. | Lambda-Cyhalothrin (F) (R) | 1 |
| 85. | Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F) | 0.01* |
| 86. | Lufenuron(F) | 0.05 |
| 87. | Malathion (sum of malathion and malaaxon expressed as malathion) | 0.02* |
| 88. | Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)) | 2 |
| 89. | Methamidophos | 0.02* |
| 90. | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl) | 2 |
| 91. | Metribuzin | 0.1* |
| 92. | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin) | 0.05* |
| 93. | Monocrotophos | 0.02* |
| 94. | Myclobutanyl (R) | 0.02* |
| 95. | Novaluron (F) | 0.01* |
| 96. | Omethoate | 0.02* |
| 97. | Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl) | 0.02* |
| 98. | Oxyfluorfen | 0.05* |
| 99. | Paclobutrazol | 0.02* |
| 100. | Parathion (F) | 0.05* |
| 101. | Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl) | 0.02* |
| 102. | Penconazole (F) | 0.05* |
| 103. | Pencycuron (F) | 0.05* |
| 104. | Pendimethalin (F) | 0.6 |
| 105. | Permethrin (sum of isomers) | 0.05* |
| 106. | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) | 0.02* |
| 107. | Phosalone | 0.02* |
| 108. | Phosphamidon | 0.01* |
| 109. | Picoxystrobin (F) | 0.02* |
| 110. | Profenofos (F) | 0.05 |
| 111. | Propargite (F) | 0.01* |

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| 112. | Propiconazole | 0.05* |
| 113. | Pyraclostrobin (F) | 2 |
| 114. | Pyridalyl | 0.01* |
| 115. | Pyriproxyfen (F) | 0.05* |
| 116. | Quinalphos (F) | 0.05* |
| 117. | Quizalofop, incl. quizalfop-P | 0.4 |
| 118. | Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad (F) | 10 |
| 119. | Spiromesifen | 0.02* |
| 120. | Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R) | 4 |
| 121. | Tau-Fluvalinate (F) | 0.01* |
| 122. | Tebuconazole (R) | 0.05* |
| 123. | Tebufenozide (F) | 0.05* |
| 124. | Tetracycline | 0.01* |
| 125. | Thiacloprid (F) | 5 |
| 126. | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | 1.5 |
| 127. | Thiodicarb | 2 |
| 128. | Thiophanate-methyl (R) | 0.1* |
| 129. | Tolfenpyrad | 0.01* |
| 130. | Transfluthrin | 0.01* |
| 131. | Triacontanol | 0.01* |
| 132. | Triadimefon and triadimenol (sum of triadimefon and triadimenol) (F) | 0.1* |
| 133. | Triazophos (F) | 0.01* |
| 134. | Trichlorfon | 0.02* |
| 135. | Tricyclazole | 0.05* |
| 136. | Tridemorph (F) | 0.02* |
| 137. | Trifloxystrobin (F) (R) | 10 |
| 138. | Triforine | 0.01* |
| 139. | Validamycin | 0.01* |
| 140. | Zinc | 50*** |
| 141. | Copper | 30*** |
| 142. | Lead | 0.3 |
| 143. | Cadmium | 0.2 |
| 144. | Arsenic | 1.1*** |
| 145. | Mercury | 1.0*** |

* EU-MRL set at LOQ (mg/kg) as per

http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

Reference for MRL on heavy metals: Commission Regulation (EC) No 1881/2006 of 19th December 2006

(F) = Fat soluble

(R) = Residue definition includes metabolites/isomers

MRLs of Drumsticks

| Sr. No. | Details of agrochemicals | MRLs mg/kg |
|---------|---|------------|
| 1. | 1-Naphthylacetic acid (Alpha Naphthyl Acetic Acid) | 0.05* |
| 2. | 4-bromo-2-chlorophenol (metabolite of Profenophos) | 0.01* |
| 3. | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a) (F) | 0.01* |
| 4. | Acephate | 0.01* |
| 5. | Acetamiprid (R) | 0.4 |
| 6. | Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F) | 0.01* |
| 7. | Allethrin and Bioallethrin | 0.01* |
| 8. | Atrazine (F) | 0.05* |
| 9. | Azadirachtin | 1 |
| 10. | Azoxystrobin | 3 |
| 11. | Bendiocarb | 0.01* |
| 12. | Benomyl(see carbendazim) | 0.2 |
| 13. | Bifenthrin (F) | 0.1 |
| 14. | Bitertanol (F) | 0.01* |
| 15. | Buprofezin (F) | 0.05* |
| 16. | Capropamid | 0.01* |
| 17. | Captafol (F) | 0.02* |
| 18. | Captan (R) | 0.02* |
| 19. | Carbaryl (F) | 0.01* |
| 20. | Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R) | 0.2 |
| 21. | Carbofuran (sum of carbofuran and 3- hydroxy-carbofuran expressed as carbofuran) | 0.01* |
| 22. | Carbosulfan | 0.01* |
| 23. | Cartap hydrochloride | 0.01* |
| 24. | Chlorantraniliprole (DPX E-2Y45) (F) | 0.01* |
| 25. | Chlordane (sum of cis- and trans-chlordane) (F) (R) | 0.01* |
| 26. | Chlorfenapyr | 0.01* |
| 27. | Chlorfenvinphos (F) | 0.01* |
| 28. | Chlorimuron ethyl | 0.01* |
| 29. | Chlormequat | 0.05* |
| 30. | Chlorpropham (F) (R) (A) | 0.01* |
| 31. | Chlorpyrifos (F) | 0.05* |
| 32. | Chlorpyrifos-methyl (F) | 0.05* |
| 33. | Clothianidin | 0.2 |
| 34. | Cyantraniliprole | 0.01* |
| 35. | Cyazofamid | 0.01* |
| 36. | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum | 0.2 |

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| | of isomers)) (F) | |
| 37. | Cymoxanil | 0.5 |
| 38. | Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F) | 0.7 |
| 39. | Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam) | 0.02* |
| 40. | DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) | 0.05* |
| 41. | Deltamethrin (cis-deltamethrin) (F) | 0.2 |
| 42. | Diafenthiuron | 0.01* |
| 43. | Diazinon (F) | 0.01* |
| 44. | Dichlorvos | 0.01* |
| 45. | Dicofol (sum of p, p' and o,p' isomers) (F) | 0.02* |
| 46. | Dieldrin (see Aldrin) | 0.01* |
| 47. | Difenoconazole | 1 |
| 48. | Diflubenzuron (F) (R) | 0.05* |
| 49. | Dimethachlor | 0.02* |
| 50. | Dimethoate (sum of dimethoate and omethoate expressed as dimethoate) | 0.02* |
| 51. | Dimethomorph (sum of isomers) | 0.01* |
| 52. | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) and Meptyldinocap | 0.02* |
| 53. | Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram) | 1 |
| 54. | Dodine | 0.05* |
| 55. | Emamectin benzoate B1a, expressed as emamectin | 0.01* |
| 56. | Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan) (F) | 0.05* |
| 57. | Endrin (F) | 0.01* |
| 58. | Ethephon | 0.05* |
| 59. | Ethion | 0.01* |
| 60. | Etofenprox (F) | 0.01* |
| 61. | Etoxazole | 0.02* |
| 62. | Fenamidone | 0.02* |
| 63. | Fenazaquin | 0.01* |
| 64. | Fenitrothion | 0.01* |
| 65. | Fenpropathrin | 0.01* |
| 66. | Fenpyroximate (F) | 0.05* |
| 67. | Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F) | 0.01* |
| 68. | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfvalerate) (F) (R) | 0.1 |
| 69. | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005* |
| 70. | Flubendiamide (F) | 1.5 |
| 71. | Flufenzin | 0.02* |
| 72. | Flusilazole (F) (R) | 0.01* |

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| 73. | Gibberellic Acid | 0.01* |
| 74. | HCH (sum of isomers, except the gamma isomer) | 0.01* |
| 75. | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F) | 0.01* |
| 76. | Hexaconazole | 0.01* |
| 77. | Hexythiazox | 0.5 |
| 78. | Imazethapyr | 0.01* |
| 79. | Imidacloprid | 5 |
| 80. | Indoxacarb (sum of indoxacarb and its R enantiomer) (F) | 0.02* |
| 81. | Iprobenfos | 0.01* |
| 82. | Isoprothiolane | 0.01* |
| 83. | Kresoxim-methyl (F) (R) | 0.05* |
| 84. | Lambda-Cyhalothrin (F) (R) | 0.2 |
| 85. | Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F) | 0.01* |
| 86. | Lufenuron(F) | 0.02* |
| 87. | Malathion (sum of malathion and malaaxon expressed as malathion) | 0.02* |
| 88. | Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)) | 0.05* |
| 89. | Methamidophos | 0.01* |
| 90. | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl) | 0.02* |
| 91. | Metribuzin | 0.1* |
| 92. | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin) | 0.02* |
| 93. | Monocrotophos | 0.01* |
| 94. | Myclobutanyl (R) | 0.02* |
| 95. | Novaluron (F) | 0.01* |
| 96. | Omethoate | 0.02* |
| 97. | Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl) | 0.01* |
| 98. | Oxyfluorfen | 0.05* |
| 99. | Paclobutrazol | 0.02* |
| 100. | Parathion (F) | 0.05* |
| 101. | Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl) | 0.01* |
| 102. | Penconazole (F) | 0.05* |
| 103. | Pencycuron (F) | 0.05* |
| 104. | Pendimethalin (F) | 0.05* |
| 105. | Permethrin (sum of isomers) | 0.05* |
| 106. | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) | 0.01* |
| 107. | Phosalone | 0.01* |
| 108. | Phosphamidon | 0.01* |
| 109. | Picoxystrobin (F) | 0.01* |
| 110. | Profenofos (F) | 0.01* |
| 111. | Propargite (F) | 0.01* |

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| 112. | Propiconazole | 0.05* |
| 113. | Pyraclostrobin (F) | 0.02* |
| 114. | Pyridalyl | 0.01* |
| 115. | Pyriproxyfen (F) | 0.05* |
| 116. | Quinalphos (F) | 0.05* |
| 117. | Quizalofop, incl. quizalfop-P | 0.4 |
| 118. | Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad (F) | 0.5 |
| 119. | Spiromesifen | 0.02* |
| 120. | Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R) | 1.5 |
| 121. | Tau-Fluvalinate (F) | 0.5 |
| 122. | Tebuconazole (R) | 2 |
| 123. | Tebufenozide (F) | 0.05* |
| 124. | Tetracycline | 0.01* |
| 125. | Thiacloprid (F) | 0.2 |
| 126. | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | 0.2 |
| 127. | Thiodicarb | 0.02* |
| 128. | Thiophanate-methyl (R) | 0.1* |
| 129. | Tolfenpyrad | 0.01* |
| 130. | Transfluthrin | 0.01* |
| 131. | Triacontanol | 0.01* |
| 132. | Triadimefon and triadimenol (sum of triadimefon and triadimenol) (F) | 0.1* |
| 133. | Triazophos (F) | 0.01* |
| 134. | Trichlorfon | 0.01* |
| 135. | Tricyclazole | 0.05* |
| 136. | Tridemorph (F) | 0.01* |
| 137. | Trifloxystrobin (F) (R) | 0.02* |
| 138. | Triforine | 0.01* |
| 139. | Validamycin | 0.01* |
| 140. | Zinc | 50*** |
| 141. | Copper | 30*** |
| 142. | Lead | 0.1 |
| 143. | Cadmium | 0.05 |
| 144. | Arsenic | 1.1*** |
| 145. | Mercury | 1.0*** |

* EU-MRL set at LOQ (mg/kg) as per

http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

Reference for MRL on heavy metals: Commission Regulation (EC) No 1881/2006 of 19th December 2006

(F) = Fat soluble

(R) = Residue definition includes metabolites/isomers

MRLs of Green Chillies

| Sr. No. | Details of agrochemicals | MRLs mg/kg |
|---------|--|------------|
| 1. | 1-Naphthylacetic acid (Alpha Naphthyl Acetic Acid) | 0.05* |
| 2. | 4-bromo-2-chlorophenol (metabolite of Profenophos) | 0.01* |
| 3. | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a) (F) | 0.05 |
| 4. | Acephate | 0.01* |
| 5. | Acetamiprid (R) | 0.3 |
| 6. | Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (F) | 0.01* |
| 7. | Allethrin and Bioallethrin | 0.01* |
| 8. | Atrazine (F) | 0.05* |
| 9. | Azadirachtin | 1 |
| 10. | Azoxystrobin | 3 |
| 11. | Bendiocarb | 0.01* |
| 12. | Benomyl(see carbendazim) | 0.1* |
| 13. | Bifenthrin (F) | 0.5 |
| 14. | Bitertanol (F) | 0.01* |
| 15. | Buprofezin (F) | 2 |
| 16. | Capropamid | 0.01* |
| 17. | Captafol (F) | 0.02* |
| 18. | Captan (R) | 0.1 |
| 19. | Carbaryl (F) | 0.01* |
| 20. | Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim) (R) | 0.1* |
| 21. | Carbofuran (sum of carbofuran and 3- hydroxy-carbofuran expressed as carbofuran) | 0.01* |
| 22. | Carbosulfan | 0.01* |
| 23. | Cartap hydrochloride | 0.01* |
| 24. | Chlorantraniliprole (DPX E-2Y45) (F) | 1 |
| 25. | Chlordane (sum of cis- and trans-chlordane) (F) (R) | 0.01* |
| 26. | Chlorfenapyr | 0.01* |
| 27. | Chlorfenvinphos (F) | 0.01* |
| 28. | Chlorimuron ethyl | 0.01* |
| 29. | Chlormequat | 0.05* |
| 30. | Chlorpropham (F) (R) (A) | 0.01* |
| 31. | Chlorpyrifos (F) | 0.5 |
| 32. | Chlorpyrifos-methyl (F) | 0.5 |
| 33. | Clothianidin | 0.05 |
| 34. | Cyantraniliprole | 0.01* |
| 35. | Cyazofamid | 0.01* |
| 36. | Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers)) (F) | 0.3 |

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| 37. | Cymoxanil | 0.05* |
| 38. | Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)) (F) | 0.5 |
| 39. | Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam) | 0.02* |
| 40. | DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT) | 0.05* |
| 41. | Deltamethrin (cis-deltamethrin) (F) | 0.2 |
| 42. | Diafenthiuron | 0.01* |
| 43. | Diazinon (F) | 0.05 |
| 44. | Dichlorvos | 0.01* |
| 45. | Dicofol (sum of p, p' and o,p' isomers) (F) | 0.02* |
| 46. | Diieldrin (see Aldrin) | 0.01* |
| 47. | Difenoconazole | 0.8 |
| 48. | Diflubenzuron (F) (R) | 1 |
| 49. | Dimethachlor | 0.02* |
| 50. | Dimethoate (sum of dimethoate and omethoate expressed as dimethoate) | 0.02* |
| 51. | Dimethomorph (sum of isomers) | 1 |
| 52. | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) and Meptyldinocap | 0.02* |
| 53. | Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, propineb, thiram and ziram) | 5 |
| 54. | Dodine | 0.05* |
| 55. | Emamectin benzoate B1a, expressed as emamectin | 0.02 |
| 56. | Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expresses as endosulfan) (F) | 0.05* |
| 57. | Endrin (F) | 0.01* |
| 58. | Ethephon | 0.05* |
| 59. | Ethion | 0.01* |
| 60. | Etofenprox (F) | 2 |
| 61. | Etoxazole | 0.02* |
| 62. | Fenamidone | 1 |
| 63. | Fenazaquin | 0.5 |
| 64. | Fenitrothion | 0.01* |
| 65. | Fenpropathrin | 0.01* |
| 66. | Fenpyroximate (F) | 0.3 |
| 67. | Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent) (F) | 0.01* |
| 68. | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R) | 0.05 |
| 69. | Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F) | 0.005* |
| 70. | Flubendiamide (F) | 0.2 |
| 71. | Flufenzin | 0.02* |
| 72. | Flusilazole (F) (R) | 0.01* |
| 73. | Gibberellic Acid | 0.01* |

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| 74. | HCH (sum of isomers, except the gamma isomer) | 0.01* |
| 75. | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor) (F) | 0.01* |
| 76. | Hexaconazole | 0.01* |
| 77. | Hexythiazox | 0.5 |
| 78. | Imazethapyr | 0.01* |
| 79. | Imidacloprid | 1 |
| 80. | Indoxacarb (sum of indoxacarb and its R enantiomer) (F) | 0.3 |
| 81. | Iprobenfos | 0.01* |
| 82. | Isoprothiolane | 0.01* |
| 83. | Kresoxim-methyl (F) (R) | 1 |
| 84. | Lambda-Cyhalothrin (F) (R) | 0.1 |
| 85. | Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F) | 0.01* |
| 86. | Lufenuron(F) | 1 |
| 87. | Malathion (sum of malathion and malaoxon expressed as malathion) | 0.02* |
| 88. | Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)) | 0.5 |
| 89. | Methamidophos | 0.01* |
| 90. | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl) | 0.02* |
| 91. | Metribuzin | 0.1* |
| 92. | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin) | 0.02* |
| 93. | Monocrotophos | 0.01* |
| 94. | Myclobutanyl (R) | 0.5 |
| 95. | Novaluron (F) | 0.6 |
| 96. | Omethoate | 0.02* |
| 97. | Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl) | 0.01* |
| 98. | Oxyfluorfen | 0.05* |
| 99. | Paclobutrazol | 0.02* |
| 100. | Parathion (F) | 0.05* |
| 101. | Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl) | 0.01* |
| 102. | Penconazole (F) | 0.2 |
| 103. | Pencycuron (F) | 0.05* |
| 104. | Pendimethalin (F) | 0.05* |
| 105. | Permethrin (sum of isomers) | 0.05* |
| 106. | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) | 0.01* |
| 107. | Phosalone | 0.01* |
| 108. | Phosphamidon | 0.01* |
| 109. | Picoxystrobin (F) | 0.01* |
| 110. | Profenofos (F) | 0.01* |
| 111. | Propargite (F) | 2 |
| 112. | Propiconazole | 0.05* |

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| 113. | Pyraclostrobin (F) | 0.5 |
| 114. | Pyridalyl | 2 |
| 115. | Pyriproxyfen (F) | 1 |
| 116. | Quinalphos (F) | 0.05* |
| 117. | Quizalofop, incl. quizalfop-P | 0.4 |
| 118. | Spinosad: sum of spinosyn A and spinosyn D, expressed as spinosad (F) | 2 |
| 119. | Spiromesifen | 0.5 |
| 120. | Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R) | 2 |
| 121. | Tau-Fluvalinate (F) | 0.01* |
| 122. | Tebuconazole (R) | 0.6 |
| 123. | Tebufenozide (F) | 1 |
| 124. | Tetracycline | 0.01* |
| 125. | Thiacloprid (F) | 1 |
| 126. | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | 0.7 |
| 127. | Thiodicarb | 0.02* |
| 128. | Thiophanate-methyl (R) | 0.1* |
| 129. | Tolfenpyrad | 0.01* |
| 130. | Transfluthrin | 0.01* |
| 131. | Triacantanol | 0.01* |
| 132. | Triadimefon and triadimenol (sum of triadimefon and triadimenol) (F) | 1 |
| 133. | Triazophos (F) | 0.01* |
| 134. | Trichlorfon | 0.01* |
| 135. | Tricyclazole | 0.05* |
| 136. | Tridemorph (F) | 0.01* |
| 137. | Trifloxystrobin (F) (R) | 0.3 |
| 138. | Triforine | 0.01* |
| 139. | Validamycin | 0.01* |
| 140. | Zinc | 50*** |
| 141. | Copper | 30*** |
| 142. | Lead | 0.1 |
| 143. | Cadmium | 0.05 |
| 144. | Arsenic | 1.1*** |
| 145. | Mercury | 1.0*** |

* EU-MRL set at LOQ (mg/kg) as per

http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

Reference for MRL on heavy metals: Commission Regulation (EC) No 1881/2006 of 19th December 2006

(F) = Fat soluble

(R) = Residue definition includes metabolites/isomers