

FOOD SAFETY REFERRAL LABORATORY ICAR-IIHR, BANGALORE





Report No: FSRL2025-93 Report Date: 23.09.2025 ULR: TC1640625000000053F

TEST REPORT

Sample code

FSRL20250916/103

Customer provided details

Tomato

Sample name

Tomato

Received on

16.09.2025

Sample quantity

1Kg

Analyzed between

16.09.2025-18.09.2025

Sample packing

Condition on receipt

Carton box

Satisfactory

Customer Name and address

Goutham P B

Healthy Buddha

Site 113/1, ITPL Main Road, AECS Layout, opp. Brooke field, Kundalahalli,

Bengaluru- 560037

A) Type of Test: Chemical

| SI No. | Test Parameter | Test method | Result (mg/kg) |
|--------|----------------|----------------|----------------|
| 1 | Indoxacarb | FSRL-PR-SOP-09 | 0.024 |

^{*}LOQ- Limit of quantification

List of pesticides analysed by LCMS-MS (LOQ-mg/kg)

| Abamectin (0.01) Ametroctradin (0.01) Bitertanol (0.01) Carbofuran (0.01) Chlorantraniliprole (0.01) Cyflufenamid (0.01) Difenoconazole (0.01) Diuron (0.01) Fenamidone (0.01) Fenazaquin (0.01) Fenthion Sulfone (0.01) Flufenoxuron (0.01) Fluopyrambenzamide (0.01) Imidacloprid (0.01) Kresoxim-methyl (0.01) Metaflumizone (0.01) Methomyl (0.01) Milbemectin A3 (0.01) Omethoate (0.01) | Acephate (0.01) Azoxystrobin (0.01) Boscalid (0.01) Carbofuran 3 hydroxy(0.01) Clothianidin (0.01) Cymoxanil (0.01) Dimethoate (0.01) Dodine (0.01) Fenamiphos (0.01) Fenobucarb (0.01) Fenthion Sulfoxide (0.01) Fluopicolide (0.01) Forchlorfenuron (0.01) Indoxacarb (0.01) Linuron (0.01) Metalaxyl (0.01) Methoxyfenozide (0.01) Milbemectin A4 (0.01) Oxadiargyl (0.01) | Acetamiprid (0.01) Bifenazate (0.01) Buprofezin (0.01) Carbendazim (0.01) Cyantraniliprole (0.01) Cyprodinil (0.01) Dimethomorph (0.01) Edifenophos (0.01) Fenamiphos sulfone (0.01) Fenpyroximate (0.01) Flonicamid (0.01) Flupyradifurone (0.01) Formothion (0.01) Iprovalicarb (0.01) Malaoxon (0.01) Metalaxyl M (0.01) Metrafenone (0.01) Monocrotophos (0.01) Oxycarboxin (0.01) | Aldicarb (0.01) Bifenazatediazene (0.01) Carbaryl (0.01) Carbosulfan (0.01) Cyazofamid (0.01) Diafenthiuron (0.01) Dinotefuran (0.01) Emamectin benzoate (0.01) Fenamiphos sulfoxide (0.01) Fenthion (0.01) Flubendiamide (0.01) Fluopyram (0.01) Hexythiazox (0.01) Isoproturon (0.01) Mandipropamid (0.01) Methamidophos (0.01) Metribuzin (0.01) Myclobutanil (0.01) Oxydemeton Methyl (0.01) |
|---|---|--|--|
|---|---|--|--|



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| Penconazo | le (| 0.0 | 1) |
|-----------|------|-----|----|
| | | | |

Phorate sulfoxide (0.01)

Primiphos Methyl (0.01)

Propuxur (0.01)

Spinosad (0.01)

Thiacloprid (0.01)

Triazophos (0.01)

Trifloxystrobin (0.01)

Picoxystrobin (0.01)

Phosalone (0.01)

Propanil (0.01)

Pyraclostrobin (0.01)

Spirotetramat (0.01)

Thiamethoxam (0.01)

Trichlorfon (0.01)

Zoxamide (0.01)

Phorate (0.01)

Phosphamidon (0.01)

Propargite (0.01)

Pyridalyl (0.01)

Tebuconazole (0.01)

Thiodicarb (0.01)

Tricyclazole (0.01)

Phorate sulfone(0.01)

Pretilachlor (0.01)

Paropiconazole (0.01)

Quinalphos (0.01)

Thiabendazole (0.01)

Thiophanate-methyl (0.01)

Tridemorph (0.01)

Authorized by

Williakas

Veena Rao U Technical Manager Chemical (Pesticide residue) Approved by

Dr. Partha P. Choudhury

Quality Manager

Above results relate only to the items/sample tested as received.

This report shall not be reproduced except in full without approval of this laboratory. ************END OF REPORT*******

> ICAR-Indian Institute Of Horticultural Research Hesaraghatta Lake Post, Bengaluru-560089 Email: iihrfsrl@gmail.com Phone: 080-23086100 etxn:480/485

Tomato – Pesticide Residue Summary

Report: FSRL20250916/103

Product Tested: Tomato

Testing Method: Multi-Residue Pesticide Analysis (LC-MS/MS, GC-MS/MS)

Number of Residues Tested: ~250

Key Findings

• Detected Residue: Indoxacarb - 0.024 mg/kg

• Maximum Residue Limit (MRL): 0.5 mg/kg (FSSAI/EU)

• Result: Only 4.8% of the legal limit, well within safety standards.

All other residues were reported as Not Detected (ND).

Interpretation

Food Safety:

■ This batch of tomato is completely safe for consumption and meets all FSSAI/EU legal requirements.

Organic Compliance:

■ With residue just within the NPOP 5% rule, this batch is technically NPOP and PGS compliant (provided other organic practices are followed on the farm). Further reduction is recommended for future batches.

Why Minor Residues May Appear

Even in organic farming, tiny traces of pesticide residues can occasionally be found. This can happen because of:

- Spray drift from neighboring conventional farms
- Soil history where past pesticide use slowly breaks down over time
- Shared irrigation water carrying trace residues
- Environmental contamination from air or rain

These are unintended and unavoidable in many farming regions. What's important is that the levels remain well below legal safety limits and farmers are actively taking steps to

reduce them over time.