

UNION TERRITORY OF JAMMU & KASHMIR
DIRECTORATE OF AGRICULTURE , JAMMU

Famed Jammu Basmati -

Certified as Safe for Pesticides Residual Limits

"Basmati" is long grain aromatic rice grown for many years in sub-tropical plains of Jammu, Samba & Kathua Districts, blessed with characteristics extra- long slender grains that elongate at least twice of their original size with a characteristics soft and fluffy texture upon cooking, delicious taste, superior aroma and distinct flavour, Basmati 370 is unique among other aromatic long grain rice varieties.

The area coverage under Basmati Rice is about 46% of total Paddy cultivated acreage
Basmati in Jammu (J&K)

- Out of 62,600 Ha area under Basmati with Production of 1, 34,400 Mts the area under Basmati 370 is 53900 Ha with production of 106000 Mts whereas Pusa 1121 is cultivated in 8000 Ha area with production of 25000 Mts .
- J&K accounts for 2% share in all India area and 1.60% share in production
- Approximately 85,000-90,000 Farming Families are involved in Basmati cultivation out of which 90% are Small and Marginal farmers having low investment & risk bearing capacities
- The cost of cultivation of Basmati as reported by farmers is Rs. 40,000/- to Rs.50,000/- per ha. The net profit remains lesser, due to reduced yield and lower Prices
- Most of the farmers sell their produce after harvest in nearby in primary or secondary markets and Mandies. The Market rate varies from Rs. 2800 to 3000 per Qtls.
- Productivity in Basmati is very low(2.0 tons /Ha.) due to limiting application of nutrition in the crop which leads to lodging due to long duration of Basmati

Export of Basmati

India exports Basmati to 80-90 countries including EU, USA, Middle East, Russia, Ukraine, Turkey, Azerbaijan, Commonwealth of Independent States (CIS) countries. Iran was a major importer, but not anymore.

Most samples from Punjab, and even Haryana, have failed "mandatory testing and certification of inspection" due to the presence of "residue of unregistered pesticides" in the import-bound countries.

Punjab and Haryana, which account for 80 to 90 per cent of total Basmati export including 50 per cent export from Punjab alone — have failed to pass mandatory certification despite restrictions on these pesticides



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(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

नहर मार्ग, जम्मू तवी-१८० ००१ (भारत)

INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIIM)

(Council of Scientific & Industrial Research)

QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5899

Dated: 01-05-2020

Sample Registration No.	C-3041 (97)
Sample Description	Paddy Basmati (Sampler Code: 97)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.02	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument & Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

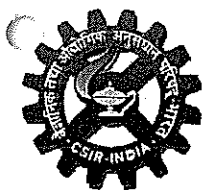
NOTE:

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TEST REPORT

Test Report No. 5900

Dated: 01-05-2020

Sample Registration No.	C-3041 (98)
Sample Description	Paddy Basmati (Sampler Code: 98)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Result	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
		Individual			
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument & Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

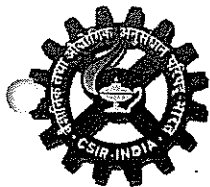
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TEST REPORT

Test Report No. 5901

Dated: 01-05-2020

Sample Registration No.	C-3041 (99)
Sample Description	Paddy Basmati (Sampler Code: 99)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument & Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

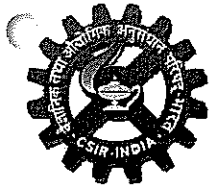
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TEST REPORT

Test Report No. 5902

Dated: 01-05-2020

Sample Registration No.	C-3041 (100)
Sample Description	Paddy Basmati (Sampler Code: 100)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.02	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

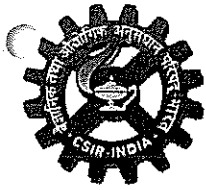
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TEST REPORT

Test Report No. 5903

Dated: 01-05-2020

Sample Registration No.	C-3041 (101)
Sample Description	Paddy Basmati (Sampler Code: 101)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Deepika Singh
01/05/2020
Authorized Signatory
Signature with date

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TEST REPORT

Test Report No. 5904

Dated: 01-05-2020

Sample Registration No.	C-3041 (102)
Sample Description	Paddy Basmati (Sampler Code: 102)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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TEST REPORT

Test Report No. 5905

Dated: 01-05-2020

Sample Registration No.	C-3041 (103)
Sample Description	Paddy Basmati (Sampler Code: 103)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

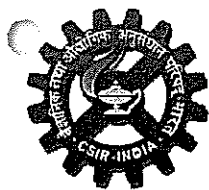
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TEST REPORT

Test Report No. 5906

Dated: 01-05-2020

Sample Registration No.	C-3041 (104)
Sample Description	Paddy Basmati (Sampler Code: 104)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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TEST REPORT

Test Report No. 5907

Dated: 01-05-2020

Sample Registration No.	C-3041 (105)
Sample Description	Paddy Basmati (Sampler Code: 105)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

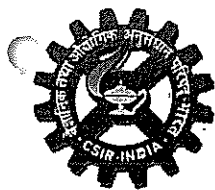
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(Council of Scientific & Industrial Research)

QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5908

Dated: 01-05-2020

Sample Registration No.	C-3041 (106)
Sample Description	Paddy Basmati (Sampler Code: 106)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

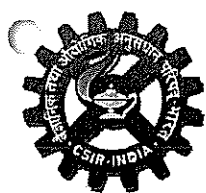
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5909

Dated: 01-05-2020

Sample Registration No.	C-3041 (107)
Sample Description	Paddy Basmati (Sampler Code: 107)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

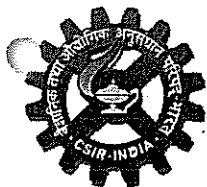
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5910

Dated: 01-05-2020

Sample Registration No.	C-3041 (108)
Sample Description	Paddy Basmati (Sampler Code: 108)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27; Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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TEST REPORT

Test Report No. 5911

Dated: 01-05-2020

Sample Registration No.	C-3041 (109)
Sample Description	Paddy Basmati (Sampler Code: 109)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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QUALITY CONTROL & QUALITY ASSURANCE DIVISION
Canal Road, Jammu-Tawi-180 001(INDIA)
TEST REPORT

Test Report No. 5912

Dated: 01-05-2020

Sample Registration No.	C-3041 (110)
Sample Description	Paddy Basmati (Sampler Code: 110)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

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Signature with date

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Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5913

Dated: 01-05-2020

Sample Registration No.	C-3041 (111)
Sample Description	Paddy Basmati (Sampler Code: 111)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

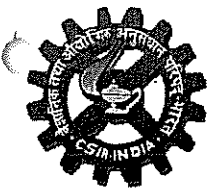
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TEST REPORT

Test Report No. 5914

Dated: 01-05-2020

Sample Registration No.	C-3041 (112)
Sample Description	Paddy Basmati (Sampler Code: 112)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

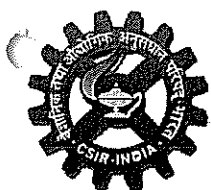
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5915

Dated: 01-05-2020

Sample Registration No.	C-3041 (113)
Sample Description	Paddy Basmati (Sampler Code: 113)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

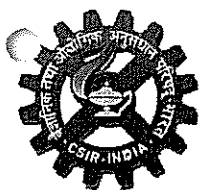
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5916

Dated: 01-05-2020

Sample Registration No.	C-3041 (114)
Sample Description	Paddy Basmati (Sampler Code: 114)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5917

Dated: 01-05-2020

Sample Registration No.	C-3041 (115)
Sample Description	Paddy Basmati (Sampler Code: 115)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

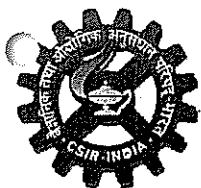
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नहर मार्ग, जम्मू तवी-180 001 (भारत)

INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIIM)

(Council of Scientific & Industrial Research)

QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5918

Dated: 01-05-2020

Sample Registration No.	C-3041 (116)
Sample Description	Paddy Basmati (Sampler Code: 116)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg- (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIIM)
(Council of Scientific & Industrial Research)
QUALITY CONTROL & QUALITY ASSURANCE DIVISION
Canal Road, Jammu-Tawi-180 001(INDIA)
TEST REPORT

Test Report No. 5919

Dated: 01-05-2020

Sample Registration No.	C-3041 (117)
Sample Description	Paddy Basmati (Sampler Code: 117)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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QUALITY CONTROL & QUALITY ASSURANCE DIVISION
Canal Road, Jammu-Tawi-180 001(INDIA)
TEST REPORT

Test Report No. 5920

Dated: 01-05-2020

Sample Registration No.	C-3041 (118)
Sample Description	Paddy Basmati (Sampler Code: 118)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.02	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

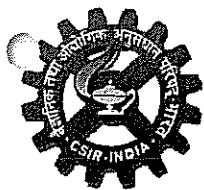
Analyst
Signature with date

Authorized Signatory
Signature with date

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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5921

Dated: 01-05-2020

Sample Registration No.	C-3041 (119)
Sample Description	Paddy Basmati (Sampler Code: 119)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

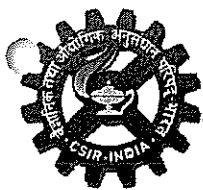
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TEST REPORT

Test Report No. 5922

Dated: 01-05-2020

Sample Registration No.	C-3041 (120)
Sample Description	Paddy Basmati (Sampler Code: 120)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

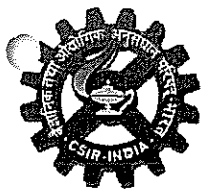
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5923

Dated: 01-05-2020

Sample Registration No.	C-3041 (121)
Sample Description	Paddy Basmati (Sampler Code: 121)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm		
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

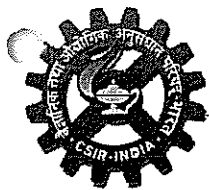
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Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5924

Dated: 01-05-2020

Sample Registration No.	C-3041 (122)
Sample Description	Paddy Basmati (Sampler Code: 122)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27; Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg per (as FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

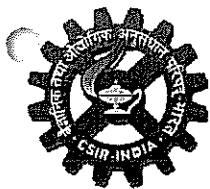
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TEST REPORT

Test Report No. 5925

Dated: 01-05-2020

Sample Registration No.	C-3041 (123)
Sample Description	Paddy Basmati (Sampler Code: 123)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.00	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5926

Dated: 01-05-2020

Sample Registration No.	C-3041 (124)
Sample Description	Paddy Basmati (Sampler Code: 124)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Deepika Singh
04/05/2020
Authorized Signatory
Signature with date

NOTE:

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भारतीय समवेत औषध संस्थान
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
नहर मार्ग, जम्मू तवी-१८० ००१ (भारत)

INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIIM)

(Council of Scientific & Industrial Research)

QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5927

Dated: 01-05-2020

Sample Registration No.	C-3041 (125)
Sample Description	Paddy Basmati (Sampler Code: 125)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	BDL	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

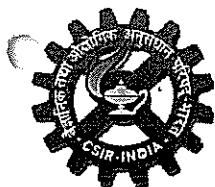
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QUALITY CONTROL & QUALITY ASSURANCE DIVISION

Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5928

Dated: 01-05-2020

Sample Registration No.	C-3041 (126)
Sample Description	Paddy Basmati (Sampler Code: 126)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as per FSSAI)	Instrument & Method
1.	Acephate	0.02	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

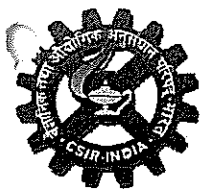
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Canal Road, Jammu-Tawi-180 001(INDIA)

TEST REPORT

Test Report No. 5929

Dated: 01-05-2020

Sample Registration No.	C-3041 (127)
Sample Description	Paddy Basmati (Sampler Code: 127)
Name and Address of the customer	P. S. Rathore (KAS) Director Agriculture Directorate of Agriculture, Jammu
Ref. No. & Date	Agri/Dev/323/2019-20/425-27 Dated: 03-12-2019
Date of completion of test	01-05-2020

Sample packed & collected by the Supplier: Director Agriculture, Directorate of Agriculture, Jammu

S.No	Substance	Results	Units	MRL mg/kg (as FSSAI)	Instrument & Method
1.	Acephate	0.01	ppm	1.00	Shimadzu GC-MS/MS QQQ MRM Quantification: Instrument Method
2.	Methamidophos	0.00	ppm		
3.	Cypermethrin-1	0.00	ppm		
4.	Cypermethrin-2	0.00	ppm	2.00	
5.	Cypermethrin-3	0.00	ppm		
6.	Cypermethrin-4	0.00	ppm		
7.	Chlorpyrifos	0.00	ppm	0.50	
8.	Ethion	*BDL	ppm	0.03	
9.	Monocrotophos	0.00	ppm	0.03	
10.	Pendimethalin	0.00	ppm	0.05	
11.	Quinalphos	0.00	ppm	0.01	

*BDL: Below detection limit

Analyst
Signature with date

Authorized Signatory
Signature with date

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