



TLabs
Tea Research Association
113, Park Street, 9th Floor,
Kolkata-700 016
 Tel.: 91-33-2229-1815, 2229-3813,
 Fax: 91-33-2229 4271



Ref No: TRA-KOL/PRLAB/TR/PR/2023/201

Date: 04.05.2023

Test Report

1. Name of client : M/S Yug Organic
2. Client Letter No & Date : Nil Date: 02.05.2023
3. Date of receipt of sample : 02.05..23
4. Nature of sample : Tea
5. Condition of the sample received : Good
6. Date of receipt of payment : -
7. Date of performance of test : 02.05.2023-04.05.2023
8. Lab sample code : DB 11065
9. Analytical method used : TRA-KOL/PRLAB/SCOPE/SOP-1, 2,4, 7, 8, 27 &11
10. Equipment used : LC- MS/MS, GC-MS/MS
11. Results

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)
					India
STEVIA TEA	2,4-D	<LOQ	0.05	SOP 01	0.05
	Bitertanol	<LOQ	0.05	SOP 02	0.05
	Carbendazim	0.03	0.01	SOP 02	0.5
	Carfentrazone ethyl	<LOQ	0.02	SOP 02	0.02
	Clothianidin	<LOQ	0.02	SOP 02	0.7
	Cyflumetofen	<LOQ	0.05	SOP 02	0.05
	Emamectin benzoate	<LOQ	0.01	SOP 02	0.06
	Etoxazole	<LOQ	0.02	SOP 02	15.0
	Fenpyroximate	<LOQ	0.02	SOP 02	6.0
	Flubendiamide	<LOQ	0.02	SOP 02	50.0
	Hexaconazole	<LOQ	0.02	SOP 02	5.00
	Hexythiazox	<LOQ	0.05	SOP 02	15.0

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)
					India
	Propiconazole	<LOQ	0.05	SOP 02	6.0
	Spiromesifen	<LOQ	0.02	SOP 02	70.0
	Thiacloprid	<LOQ	0.01	SOP 02	5.0
	Thiamethoxam	4.2	0.05	SOP 02	20.0
	Bifenthrin	<LOQ	0.01	SOP 04	30.0
	Chlorpyrifos	<LOQ	0.01	SOP 04	2.0
	Deltamethrin	<LOQ	0.02	SOP 04	5.0
	Dicofol	<LOQ	0.02	SOP 04	40.0
	Ethion	<LOQ	0.01	SOP 04	5.0
	Fenazaquin	0.19	0.01	SOP 04	3.0
	Fenpropathrin	<LOQ	0.02	SOP 04	2.0
	Fluvalinate	<LOQ	0.01	SOP 04	0.01
	L-Cyhalothrin	<LOQ	0.01	SOP 04	0.05
	Oxyfluorfen	<LOQ	0.01	SOP 04	0.2
	Propargite	<LOQ	0.01	SOP 04	10.0
	Quinalphos	<LOQ	0.01	SOP 04	0.7
	Glyphosate	<LOQ	0.05	SOP 07	1.0
	Glufosinate ammonium	<LOQ	0.01	SOP 07	0.01
	Paraquat	<LOQ	0.05	SOP 08	0.2
	Mancozeb	<LOQ	0.05	SOP 11	3.0
	Zineb as CS ₂	<LOQ	0.05	SOP 11	0.1
	Melamine	<LOQ	0.05	SOP 27	2.5
Note:	The submitted sample conforms to the FSSAI standard as per the tested parameters following our decision rule.				

(LOQ: Limit of Quantitation)



Dr B Kanrar
Scientist C (Analytical service)
(Authorized Signatory)

- Note: 1. Sampling was not done by us.
2. No part of this report will be reproduced without permission of Secretary,

TRA, Kolkata

3. This report will not be used for any litigation purposes.
4. The results relate only to the items tested.
5. Test performed at the permanent facility.
6. Statement of Conformity issued following the decision rule (TRA-KOL/PRLAB/Doc 13) of the Laboratory.



*****End of Test Report*****



TC-5281

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Ref No: TRA-KOL/PRLAB/TR/HM/2023/145

Date: 04.05.2023

Test Report

1. Name of client : M/S Yug Organic
2. Client Letter No & Date : NIL Dt :
3. Date of receipt of sample : 02.05.2023
4. Nature of sample : Tea
5. Condition of the sample received : Good
6. Date of receipt of payment : -
7. Date of performance of test : 03.05.2023 -04.05.2023
8. Lab sample code : DB 11065
9. Analytical method used : TRA-KOL/PRLAB/SCOPE/SOP- 25 & 26
10. Equipment used : HPLC-ICP- MS
11. Results

Sample Code	Test Parameters	Test Result (mg/kg)	LOQ (mg/kg)	FSSAI Limit (mg/kg)
STEVIA TEA	Arsenic (As)	0.07	0.05	1.1
	Cadmium (Cd)	0.19	0.02	1.5
	Copper (Cu)	15.07	5.0	150.00
	Lead (Pb)	0.76	0.15	5.0
	Mercury (Hg)	<LOQ	0.05	1.0
	Tin (Sn)	<LOQ	2.0	250
	Methyl mercury (MeHg)	<LOQ	0.01	0.25
Note:	Test results comply with the requirements of FSSAI as per the tested parameters following our decision rule.			

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Dr B Kanrar
(Authorized Signatory)

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Ref No: TRA-KOL/PRLAB/TR/QC/2023/156

Date: 04.05.2023

Test Report

1. Name of client : Yug Organic
2. Client Letter No & Date : Nil Dt:
3. Date of receipt of sample : 02.05.2023
4. Nature of sample : Tea
5. Condition of the sample received : Good
6. Date of performance of test : 03.05.2023-04.05.2023
7. Lab sample code : DB 11065
8. Results

Sample Code	Test Parameters	Test Result	Analytical method used	Limit as per FSSAI regulation
STEVIA TEA	% Total ash	7.29	IS 13854 : 1994 Reaffirmed 2019 (SOP 16)	4.0% -8.0%
	% Acid insoluble ash	0.48	IS 13857 : 1993 Reaffirmed 2019 (SOP 13)	Max. 1.0%
	% Alkalinity of water soluble ash (as KOH)	2.08	IS 13856 : 1993 Reaffirmed 2019 (SOP 18)	1.0% - 3%
	% Water Soluble ash of total ash	55.04	IS 13855 : 1993 Reaffirmed 2019 (SOP 14)	Min. 45.0%
	%Water soluble extract	42.41	IS 13862:1999 Reaffirmed 2019 (SOP 17)	Min. 32.0%
	% Crude fibre	11.59	IS 16041:2012 Reaffirmed 2022 (SOP 15)	Max. 16.5%
	Iron Fillings, ppm	8.00	TRA/KOL/QCLAB/SCOPE /SOP 19	250.00
	Tea shall be free from any off odour, taint and mustiness.	Compliant	TRA/KOL/QCLAB/SCOPE /SOP 22	Compliant

	Free from living, dead insect, mould, insect fragment and rodent contamination visible to the naked eyes.	Nil	TRA/KOL/QCLAB/SCOPE /SOP 22	Nil
	Presence of extraneous matter/harmful substance	Absent	TRA/KOL/QCLAB/SCOPE /SOP 22	Nil
	Presence of added colour	Absence	TRA/KOL/QCLAB/SCOPE /SOP 22	Nil
	Total Catechin % (green tea)	NA	SOP 24 (ISO 14502-2:2005)	9-19%
Note	The submitted sample conforms to the FSSAI standard as per the tested parameters following our decision rule.			



Dr S Sengupta
Scientist C (Analytical service)
(Authorized Signatory)

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