



National Accreditation Board for “  
Testing and Calibration Laboratories  
(A Constituent Board of Quality Council of India)

## **CERTIFICATE OF ACCREDITATION**

**VSIX ANALYTICAL LABS PVT. LTD.**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing & Calibration Laboratories"**

and fulfills the requirements of FSSAI & Tea Board

for its facilities at

#77 (502/503), 21st D Cross, Muthurayaswamy Layout,  
Bengaluru, Karnataka

in the field of

**TESTING**

**Certificate Number** TC-7464 (Integrated)

**Issue Date** 26/09/2020

**FSSAI: 26/09/2020, Tea Board: 26/09/2020**

**Valid Until** 25/09/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



89076970100030001885

N. Venkateswaran  
Chief Executive Officer



# National Accreditation Board for Testing and Calibration Laboratories &

## Tea Board of India

(Ministry of Commerce and Industry, Govt. of India)



### SCOPE OF ACCREDITATION

**Laboratory Name** Vsix Analytical Labs Pvt. Ltd., #77 (502/503), 21st D Cross, Muthurayaswamy Layout, Bengaluru, Karnataka

**Accreditation Standard** ISO/IEC 17025: 2017

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S.No.	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
1.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Total plate count/Aerobic plate count	IS 5402 : 2012 (Reaffirmed : 2018) ISO 4833	≥ 10 CFU/gm
2.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Escherichia coli	IS:5887(Part I)-1976 (Reaffirmed : 2018)	Absent/Present/ gm/ml
3.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Total Coliform Count	IS 5401 (part 1)- 2012 (Reaffirmed : 2018)	≥ 10 CFU/gm
4.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Total Yeast and Mould Count	IS:5403-1999 (Reaffirmed : 2018)	≥ 10 CFU/gm
5.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Enterobacteriaceae	IS/ISO 7402:1993 (Reaffirmed : 2018)	≥ 10 CFU/gm
6.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Salmonella	IS 5887 (Part 3)- 1999 (Reaffirmed : 2018)	Absent/Present/ gm/ml
7.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Coagulase positive Staphylococcus aureus	IS 5887 (Part -8/Sec -1) : 2002 (Reaffirmed : 2018)	≥ 10 CFU/gm
8.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea & Tea Products (Tea Powder, Green Tea, Kangra Tea)	Coagulase positive Staphylococcus aureus	IS 5887 ( Part -2) : 1976 (Reaffirmed : 2018)	Absent/Present/1 0gm



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9.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Total ash	IS13854: 1994 (RA:2014)	0.05-25%
10.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Water soluble ash & Water insoluble ash	IS 13855:1993, ISO 7576:1988 (RA:2014)	0.05%-95%
11.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Alkalinity of water soluble ash	IS 3633:2003/ IS 13856:1993 ISO 1578:1975 (RA:2014)	0.05-10%
12.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Acid insoluble ash	IS 3633:2003 (RA:2018) IS 13857:1993 (RA:2014) ISO 1577:1987	0.05%-25%
13.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Water extract	IS 13862:1999 (RA:2014)	25%-45%
14.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Crude fibre	IS 10226 (Part 1): 1982 (RA:2015)	10 to 20%
15.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Moisture (Determination of loss in mass at 103°C)	IS 3633:2003 (RA:2018) IS 13853:1994 (RA:2014) ISO1573:1980	0.01%-10%
16.	CHEMICAL/ FOOD & AGRICULTURAL	Tea And Tea Products (Tea Powder, Green Tea,	Iron filings	IS 3633:2003 (RA:2018)	1-500mg/kg





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17.	PRODUCTS CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Kangra Tea) Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Total Aflatoxin	FL/MS/001 Issue No:01 Issue Date:21/07/2019	1.0 µg/kg- 100 µg/kg
18.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Aflatoxin B1	FL/MS/001 Issue No:01 Issue Date:21/07/2019	1.0 µg/kg - 100 µg/kg
19.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Aflatoxin B2	FL/MS/001 Issue No:01 Issue Date:21/07/2019	1.0 µg/kg- 100 µg/kg
20.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Aflatoxin G1	FL/MS/001 Issue No:01 Issue Date:21/07/2019	1.0 µg/kg- 100 µg/kg
21.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Aflatoxin G2	FL/MS/002 Issue No:01 Issue Date:29/08/2019	1.0 µg/kg- 100 µg/kg
22.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Ochratoxin A	FL/MS/002 Issue No:01 Issue Date:29/08/2019	1.0 µg/kg – 100 µg/kg
23.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Melamine	FL/MS/002 Issue No:01 Issue Date:29/08/2019	0.05 to 5 mg/kg
24.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	<b>Pesticide residue</b> Carbendazim	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg



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25.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Clothianidin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
26.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Emamectin benzoate	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
27.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Etoxazole	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
28.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Fenazaquin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
29.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Fenpropathrin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
30.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Fenpyroximate	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
31.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Flubendiamide	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
32.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Hexaconazole	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
33.	CHEMICAL/	Tea And Tea	Hexythiazox	FP/0005	10 to 500µg/kg



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	FOOD & AGRICULTURAL PRODUCTS	Products (Tea Powder, Green Tea, Kangra Tea)		Issue No:01 Issue Date: 20/10/2019	
34.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Oxyflurofen	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
35.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Propargite	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
36.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Propicanazole	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
37.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Spiromesifen	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
38.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	2.4 D amine salt	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
39.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Bitertanol	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
40.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Thiamethoxam	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
41.	CHEMICAL/ FOOD &	Tea And Tea Products (Tea	Cyflumetofen	FP/0005 Issue No:01	10 to 500µg/kg





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	AGRICULTURAL PRODUCTS	Powder, Green Tea, Kangra Tea)		Issue Date: 20/10/2019	
42.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Bifenthrin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
43.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Carfentrazone ethyl	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
44.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Chlorpyrifos	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
45.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Deltamethrin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
46.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Dicofol	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
47.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Ethion	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
48.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Fluvalinate	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
49.	CHEMICAL/ FOOD & AGRICULTURAL	Tea And Tea Products (Tea Powder, Green Tea,	Quinalphos	FP/0005 Issue No:01 Issue Date:	10 to 500µg/kg



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50.	PRODUCTS CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Kangra Tea) Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Thiacloprid	20/10/2019 FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
51.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Lambda Cyhalothrin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
52.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Cypermethrin	FP/0005 Issue No:01 Issue Date: 20/10/2019	10 to 500µg/kg
53.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	<b>Trace Elements</b> Lead as Pb	GA/0003 Issue No:01 Issue Date: 03/08/2013	0.1 to 5mg/kg
54.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Copper as Cu	GA/0003 Issue No:01 Issue Date: 03/08/2013	0.2 to 10mg/kg
55.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Arsenic as As	GA/0001 Issue No:01 Issue Date: 03/08/2013	0.02 to 5mg/kg
56.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Mercury as Hg	GA/0002 Issue No:01 Issue Date: 03/08/2013	0.02 to 5mg/kg
57.	CHEMICAL/ FOOD & AGRICULTURAL	Tea And Tea Products (Tea Powder, Green Tea,	Tin as Sn	GA/0003 Issue No:01 Issue Date:	1 to 100mg/kg





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58.	PRODUCTS CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Kangra Tea) Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Zinc as Zn	03/08/2013 GA/0003 Issue No:01 Issue Date: 03/08/2013	0.2 to 100mg/kg
59.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Cadmium as Cd	GA/0003 Issue No:01 Issue Date: 03/08/2013	0.2 to 10mg/kg
60.	CHEMICAL/ FOOD & AGRICULTURAL PRODUCTS	Tea And Tea Products (Tea Powder, Green Tea, Kangra Tea)	Methyl Mercury as Elemental Mercury	GA/0002 Issue No:01 Issue Date: 03/08/2013	0.02 to 5mg/kg