National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

PUNJAB BIOTECHNOLOGY INCUBATOR

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, EIC, APEDA & Tea Board

for its facilities at

Knowledge City, Sector-81, SAS Nagar, Mohali, Punjab

in the field of

TESTING

Certificate Number TC-12762 *(Integrated)*

Issue Date 25/07/2025 **Valid Until** 24/07/2027

FSSAI: 25/07/2025, EIC: 25/07/2025, APEDA: 25/07/2025 & Tea Board: 10/10/2025

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)

Name of Legal Entity : PUNJAB BIOTECHNOLOGY INCUBATOR

Signed for and on behalf of NABL

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Anuja Anand
Director

Chakravarthy T. Kannan
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	**Punjab Biotechnology Incubator, Knowledge City, Sector-81, SAS Nagar, Mohali, Punjab**		
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S.No.	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific 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
			Permanent Facility		
1.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Total Plate Count	Pour Plate	≥10 cfu/g
2.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Salmonella	Enrichment & Selective Isolation	Present/Ab sent per 25 gm
3.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Staphyloc occus aureus	Enrichment & Selective Isolation	Present/Ab sent per gram
4.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Yeast & Mould count	Pour Plate	≥10 cfu/g
5.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Shigella	Enrichment & Selective Isolation	Present/Ab sent per 25 gm
6.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Total Ash	FSSAI 04A.003:2023	0.1% to 20%
7.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Water Soluble Ash	FSSAI 04A.006:2023	0.1 %to 70 %

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8.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Acid Insoluble ash	FSSAI 04A.007:2023	0.1% to 5%
9.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Water Extract	FSSAI 04A.010:2023	0.1% to 60%
10.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Alkalinity of water soluble ash expressed as KOH	FSSAI 04A.009:2023	0.5% to 5.0%
11.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Crude Fibre	FSSAI 04A.018:2023	0.1 to 40 %
12.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Iron Fillings	FSSAI 04A.021:2023	1 mg/Kg to 250 mg/Kg
13.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Total ash determined on tea dried to constant weight at 100 degree c	FSSAI 04A.003:2023	0.1 % to 10 %
14.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Total ash soluble in boiling distilled water	FSSAI 04A.016:2023	0.1 % to 70 %
15.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Ash insoluble in dilute hydrochloric acid	FSSAI 04A.007:2023	0.1% to 5%

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16.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Alkalinity of Water Soluble ash	FSSAI 04A.09:2023	0.1 % to 5.0 %
17.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Crude Fibre	FSSAI 04A.018:2023	0.5 % to 50 %
18.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Extract obtained by boiling dried tea (dried to constant	FSSAI 04A.010:2023	0.1 to 30%
19.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	KANGRA TEA	Iron Fillings	FSSAI 04A.021:2023	1 mg/Kg to 250 mg/Kg
20.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Green Tea	Total ash	FSSAI 04A.003:2023	0.1 % to 10 %
21.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Green Tea	Ash insoluble in ash	FSSAI 04A.007:2023	0.01 to 0.2 %
22.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Green Tea	Alkalinity of Water Soluble ash	FSSAI 04A.09:2023	0.1 % to 5.0 %
23.	CHEMICAL/ FOOD AND AGRICULTURAL	Green Tea	Total catechins (m/m)	FSSAI 04A.019:2023	1 mg/kg to 500 mg/kg

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	PRODUCTS				
24.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Green Tea	Total catechins (m/m)	MVD No.81,dt.21.07.2019	2.5 to 25%
25.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Instant Tea in Solid Form	Moisture content	FSSAI 04A.001:2023	0.1 to 20%
26.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Instant Tea in Solid Form	Total Ash- hot soluble	FSSAI 04A.016:2023	0.1% to 30%
27.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Instant Tea in Solid Form	Cold Soluble	FSSAI 04A.017:2023	0.1 to 50%
28.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Bifenthrin	PBTI/SOP/191: TP-140	10 ug/Kg to 30000 ug/Kg
29.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Bitertanol	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
30.	CHEMICAL/ RESIDUES AND CONTAMINANTS	Tea	Carbendazim	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg

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	IN FOOD AND AGRICULTURAL PRODUCTS				
31.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Carfentrazone Ethyl	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
32.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Chlorpyriphos	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg
33.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Clothianidin (Clothianidin & its metabolites TMG, TZMU and MNG)	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg
34.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Deltamethrin	PBTI/SOP/191: TP-140	10 ug/Kg to 5000 ug/Kg
35.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL	Tea	Dicofol	PBTI/SOP/191: TP-140	10 ug/Kg to 40000 ug/Kg

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	PRODUCTS				
36.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Emamectin Benzoate	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
37.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Epoxyconazole	PBTI/SOP/191: TP-140	10 ug/Kg to 100 ug/Kg
38.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Ethion	PBTI/SOP/191: TP-140	10 ug/Kg to 5000 ug/Kg
39.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Ethephon	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
40.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Etoxazole	PBTI/SOP/191: TP-140	10 ug/Kg to 15000 ug/Kg
41.	CHEMICAL/	Tea	Fenazaquin	PBTI/SOP/191: TP-	10 ug/Kg to 3000

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	RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS			140	ug/Kg
42.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Fenpropathrin	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg
43.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Fenpyroximate	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg
44.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Flubendiamide	PBTI/SOP/191: TP-140	10 ug/Kg to 50000 ug/Kg
45.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Fluvalinate	PBTI/SOP/191: TP-140	5 ug/Kg to 100 ug/Kg
46.	CHEMICAL/ RESIDUES AND CONTAMINANTS	Tea	Hexaconazole	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg

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	IN FOOD AND AGRICULTURAL PRODUCTS				
47.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Hexythiazox	PBTI/SOP/191: TP-140	10 ug/Kg to 15000 ug/Kg
48.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Lambda Cyhalothrin	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
49.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Monocrotophos	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
50.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Oxyfluorfen	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
51.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL	Tea	Propargite	PBTI/SOP/191: TP-140	10 ug/Kg to 10000 ug/Kg

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	PRODUCTS				
52.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Propiconazole	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
53.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Pyraclostrobin	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
54.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Quinalphos	PBTI/SOP/191: TP-140	5 ug/Kg to 100 ug/Kg
55.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Spiromesifen	PBTI/SOP/191: TP-140	10 ug/Kg to 70000 ug/Kg
56.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Thiacloprid	PBTI/SOP/191: TP-140	10 ug/Kg to 5000 ug/Kg
57.	CHEMICAL/	Tea	Thiamethoxam	PBTI/SOP/191: TP-	10 ug/Kg to 20000

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	RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS			140	ug/Kg
58.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Triadimefon	PBTI/SOP/191: TP-140	10 ug/Kg to 2000 ug/Kg
59.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Cyfumetofen	PBTI/SOP/191: TP-140	10 ug/Kg to 200 ug/Kg
60.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Mancozeb	PBTI/SOP/187: TP-136	10 ug/Kg to 4000 ug/Kg
61.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Zineb as CS2	PBTI/SOP/187: TP-136	10 ug/Kg to 200 ug/Kg
62.	CHEMICAL/ RESIDUES AND CONTAMINANTS	Tea	2,4-D Amine Salt	PBTI/SOP/188: TP-137	10 ug/Kg to 200 ug/Kg

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	IN FOOD AND AGRICULTURAL PRODUCTS				
63.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	GlufosinateAmmonium	PBTI/SOP/188: TP-137	5 ug/Kg to 100 ug/Kg
64.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Tea	Paraquat Dichloride	PBTI/SOP/188: TP-137	10 ug/Kg to 200 ug/Kg