



# TEA RESEARCH ASSOCIATION

## REGISTERED OFFICE

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Ref No. TRA/TLabs/02/2023

Date: 19.06.2023

To  
M/S Arunachal Hornbill Brothers Products  
2-Kilo Papu Nallah,  
NH-415, Naharlogun,  
Arunachal Pradesh-791110,  
India

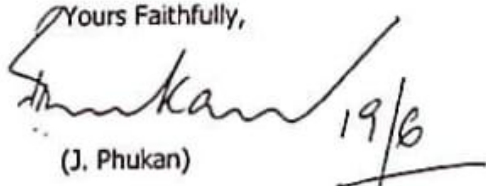
### Sub: Test Reports

Dear Sir,

I am sending herewith the test reports of pesticide residue screening and specific quality parameters of your three samples viz. i) Hornbill White Silver Needle tea ii) Hornbill White Golden Tea and iii) Hornbill White Herbal Tea. No chemical residues were detected as per our test parameters for your all three samples as well as quality standards of the samples were lies within the Indian standard as specified by Food Safety Standard Authority of India.

Thanking You,

Yours Faithfully,

  
(J. Phukan)  
Secretary

Director's Office : Tocklai Tea Research Institute, Jorhat - 785008, Assam

Branches at Arunachal Pradesh, Cachar, Darjeeling, Dibrugarh, Dooars, Meghalaya, Sonitpur, Terai and Tripura



CamScanner



**TLabs**  
**Tea Research Association**  
**113, Park Street, 9<sup>th</sup> Floor,**  
**Kolkata-700 016**  
 Tel.: 91-33-2229-1815, 2229-3813,  
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Ref No: TRA-KOL/PRLAB/TR/PR/2023/263

Date: 13.06.2023

**Test Report**

1. Name of client : M/S Arunachal Hornbill Brothers Products
2. Client Letter No & Date : Nil Date: 09.06.2023
3. Date of receipt of sample : 09.06.2023
4. Nature of sample : Tea
5. Condition of the sample received : Good
6. Date of receipt of payment : -
7. Date of performance of test : 09.06.2023-13.06.2023
8. Lab sample code : DB11116
9. Analytical method used : TRA-KOL/PRLAB/SCOPE/SOP-1, 2 & 4
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	EU
Hornbill White Silver Needle tea	2,4-D	<LOQ	0.05	SOP 01	0.05	0.10
	Saflufenacil	<LOQ	0.05	SOP 01	-	0.03
	Abamectin	<LOQ	0.02	SOP 02	-	0.05
	Acephate	<LOQ	0.02	SOP 02	-	0.05
	Acetamiprid	<LOQ	0.02	SOP 02	-	0.05
	Azadirachtin	<LOQ	0.01	SOP 02	-	0.01
	Azoxystrobin	<LOQ	0.05	SOP 02	-	0.05
	Bitertanol	<LOQ	0.05	SOP 02	0.05	0.05
	Carbaryl	<LOQ	0.02	SOP 02	-	0.05
	Carbendazim	<LOQ	0.01	SOP 02	0.5	0.1
	Carbofuran	<LOQ	0.02	SOP 02	-	0.05
	Carfentrazoneethyl	<LOQ	0.02	SOP 02	0.02	0.1

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)	
					India	EU
	Chlorfenvinphos	<LOQ	0.05	SOP 02	-	0.05
	Clothianidin	<LOQ	0.02	SOP 02	0.7	0.7
	Cyflumetofen	<LOQ	0.05	SOP 02	0.05	-
	Diflubenzuron	<LOQ	0.05	SOP 02	-	0.1
	Dimethoate	<LOQ	0.02	SOP 02	-	0.05
	Diuron	<LOQ	0.05	SOP 02	-	0.05
	Emamectin benzoate	<LOQ	0.01	SOP 02	0.06	0.02
	Etoxazole	<LOQ	0.02	SOP 02	15.0	15.0
	Fenpropimorph	<LOQ	0.05	SOP 02	-	0.05
	Fenpyroximate	<LOQ	0.02	SOP 02	6.0	8.0
	Flubendiamide	<LOQ	0.02	SOP 02	50.0	50.0
	Flufenzin	<LOQ	0.05	SOP 02	-	0.1
	Hexaconazole	<LOQ	0.02	SOP 02	5.0	0.05
	Hexythiazox	<LOQ	0.05	SOP 02	15.0	4
	Imidacloprid	<LOQ	0.01	SOP 02	-	0.05
	Indoxacarb	<LOQ	0.05	SOP 02	-	5.0
	Linuron	<LOQ	0.05	SOP 02	-	0.05
	Malathion	<LOQ	0.02	SOP 02	-	0.5
	Methamidophos	<LOQ	0.02	SOP 02	-	0.05
	Methomyl	<LOQ	0.05	SOP 02	-	0.05
	Monocrotophos	<LOQ	0.01	SOP 02	-	0.05
	Omethoate	<LOQ	0.02	SOP 02	-	0.05
	Phenthoate	<LOQ	0.05	SOP 02	-	-
	Phosphamidon	<LOQ	0.02	SOP 02	-	0.02
	Pirimiphos ethyl	<LOQ	0.05	SOP 02	-	-
	Pirimiphos methyl	<LOQ	0.05	SOP 02	-	0.05
	Propiconazole	<LOQ	0.05	SOP 02	6.0	0.05
	Pyridaben	<LOQ	0.05	SOP 02	-	0.05
	Pyrimethanil	<LOQ	0.05	SOP 02	-	0.05
	Simazine	<LOQ	0.02	SOP 02	-	0.05
	Spiromesifen	<LOQ	0.02	SOP 02	70.0	50.0

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)	
					India	EU
	Spirotetramat	<LOQ	0.05	SOP 02	-	0.1
	Spirotetramatenol	<LOQ	0.05	SOP 02	-	0.1
	Tebuconazole	<LOQ	0.02	SOP 02	-	0.05
	Terbutylazine	<LOQ	0.05	SOP 02	-	0.05
	Tetraconazole	<LOQ	0.02	SOP 02	-	0.02
	Thiacloprid	<LOQ	0.01	SOP 02	5.0	10
	Thiamethoxam	<LOQ	0.05	SOP 02	20.0	20
	Tolfenpyrad	<LOQ	0.05	SOP 02	-	-
	Trifloxystrobin	<LOQ	0.02	SOP 02	-	0.05
	Aldrin	<LOQ	0.01	SOP 04	-	0.02
	Alpha Chlordane	<LOQ	0.01	SOP 04	-	0.02
	alpha Endosulfan	<LOQ	0.01	SOP 04	-	30.0
	alpha HCH	<LOQ	0.01	SOP 04	-	0.01
	Alphamethrin	<LOQ	0.05	SOP 04	-	-
	beta Cyfluthrin (sum of isomers)	<LOQ	0.02	SOP 04	-	0.1
	beta Endosulfan	<LOQ	0.01	SOP 04	-	30.0
	beta HCH	<LOQ	0.01	SOP 04	-	0.01
	Bifenthrin	<LOQ	0.01	SOP 04	30.0	30.0
	Chlorothalonil	<LOQ	0.01	SOP 04	-	0.05
	Chlorpyrifos	<LOQ	0.01	SOP 04	2.0	0.01
	Chlorpyrifos methyl	<LOQ	0.05	SOP 04	-	0.01
	Cypermethrin (sum of isomers)	<LOQ	0.05	SOP 04	-	0.5
	delta HCH	<LOQ	0.01	SOP 04	-	0.01
	Deltamethrin	<LOQ	0.02	SOP 04	5.0	5.0
	Diazinon	<LOQ	0.01	SOP 04	-	0.05
	Dicofol	<LOQ	0.02	SOP 04	40.0	20.0
	Dieldrin	<LOQ	0.01	SOP 04	-	0.02
	Endosulfansulphate	<LOQ	0.01	SOP 04	-	30.0
	Endrin	<LOQ	0.01	SOP 04	-	0.01
	Ethion	<LOQ	0.01	SOP 04	5.0	3.0

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)	
					India	EU
	Sprotetramat	<LOQ	0.05	SOP 02	-	0.1
	Spirotetramatenol	<LOQ	0.05	SOP 02	-	0.1
	Tebuconazole	<LOQ	0.02	SOP 02	-	0.05
	Terbutylazine	<LOQ	0.05	SOP 02	-	0.05
	Tetraconazole	<LOQ	0.02	SOP 02	-	0.02
	Thiacloprid	<LOQ	0.01	SOP 02	5.0	10
	Thiamethoxam	<LOQ	0.05	SOP 02	20.0	20
	Tolfenpyrad	<LOQ	0.05	SOP 02	-	-
	Trifloxystrobin	<LOQ	0.02	SOP 02	-	0.05
	Aldrin	<LOQ	0.01	SOP 04	-	0.02
	Alpha Chlordane	<LOQ	0.01	SOP 04	-	0.02
	alpha Endosulfan	<LOQ	0.01	SOP 04	-	30.0
	alpha HCH	<LOQ	0.01	SOP 04	-	0.01
	Alphamethrin	<LOQ	0.05	SOP 04	-	-
	beta Cyfluthrin (sum of isomers)	<LOQ	0.02	SOP 04	-	0.1
	beta Endosulfan	<LOQ	0.01	SOP 04	-	30.0
	beta HCH	<LOQ	0.01	SOP 04	-	0.01
	Bifenthrin	<LOQ	0.01	SOP 04	30.0	30.0
	Chlorothalonil	<LOQ	0.01	SOP 04	-	0.05
	Chlorpyrifos	<LOQ	0.01	SOP 04	2.0	0.01
	Chlorpyrifos methyl	<LOQ	0.05	SOP 04	-	0.01
	Cypermethrin (sum of isomers)	<LOQ	0.05	SOP 04	-	0.5
	delta HCH	<LOQ	0.01	SOP 04	-	0.01
	Deltamethrin	<LOQ	0.02	SOP 04	5.0	5.0
	Diazinon	<LOQ	0.01	SOP 04	-	0.05
	Dicofol	<LOQ	0.02	SOP 04	40.0	20.0
	Dieldrin	<LOQ	0.01	SOP 04	-	0.02
	Endosulfansulphate	<LOQ	0.01	SOP 04	-	30.0
	Endrin	<LOQ	0.01	SOP 04	-	0.01
	Ethion	<LOQ	0.01	SOP 04	5.0	3.0

Sample Code	Pesticides	Residues detected (mg/kg)	LOQ (mg/kg)	Analytical Method used	MRL (mg/kg)	
					India	EU
	Etofenprox	<LOQ	0.01	SOP 04	-	0.05
	Fenazaquin	<LOQ	0.01	SOP 04	3.0	9.0
	Fenitrothion	<LOQ	0.01	SOP 04	-	0.05
	Fenpropathrin	<LOQ	0.02	SOP 04	2.0	2.0
	Fenvalerate (Sum of Isomers)	<LOQ	0.02	SOP 04	-	0.1
	Fipronil	<LOQ	0.01	SOP 04	-	0.005
	Flucythrinate	<LOQ	0.02	SOP 04	-	0.05
	Fluvalinate	<LOQ	0.01	SOP 04	0.01	0.05
	Gama Chlordane	<LOQ	0.01	SOP 04	-	0.02
	Heptachlor	<LOQ	0.01	SOP 04	-	0.02
	Heptachlor epoxide	<LOQ	0.01	SOP 04	-	0.02
	Hexachlorobenzene (HCB)	<LOQ	0.01	SOP 04	-	0.02
	Lambda-Cyhalothrin	<LOQ	0.01	SOP 04	0.05	0.01
	Lindane (gama HCH)	<LOQ	0.01	SOP 04	-	0.01
	o,p' DDD	<LOQ	0.02	SOP 04	-	0.2
	o,p' DDE	<LOQ	0.02	SOP 04	-	0.2
	o,p' DDT	<LOQ	0.02	SOP 04	-	0.2
	Oxyfluorfen	<LOQ	0.01	SOP 04	0.2	0.05
	p,p' DDD	<LOQ	0.02	SOP 04	-	0.2
	p,p' DDE	<LOQ	0.02	SOP 04	-	0.2
	p,p' DDT	<LOQ	0.02	SOP 04	-	0.2
	Phosalone	<LOQ	0.01	SOP 04	-	0.05
	Procymidone	<LOQ	0.01	SOP 04	-	0.05
	Profenofos	<LOQ	0.01	SOP 04	-	0.05
	Propargite	<LOQ	0.01	SOP 04	10.0	10.0
	Quinalphos	<LOQ	0.01	SOP 04	0.7	0.05
<b>Note:</b>	<b>No residues were detected as per the tested parameters.</b>					

(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\*\*\***