



Federation for Development of Accreditation Services

CERTIFICATE OF ACCREDITATION **(AS PER ISO/IEC 17025:2017)**

This is to attest that

M/s VIPANAN ANALYTICAL TECHNOLOGIES LLP

Nilay, Plot No.23, Prathamesh Park Baner Balewadi
Baner Pune -411045, India

Testing Laboratory

has demonstrated compliance with ISO/IEC Standard 17025:2017, General requirements for the competence of testing and calibration laboratories and supplementary criteria for testing laboratories.

Certificate Number: TL-112

Issue Date: 14.06.2023

Valid Until: 13.06.2025

The certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard and the relevant requirements of FDAS (scope of accreditation also displayed at www.fdasindia.org).


DEVI SARAN TEWARI
Director



Federation for Development of Accreditation Services

SCOPE OF ACCREDITATION

Laboratory Name	M/s Vipanan Analytical Technologies LLP, Nilay, Plot No.23, Prathamesh Park Baner Balewadi Baner Pune -411045, India		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TL-112	Page No.:	1/11
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BIOLOGICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
Group: Environmental Biology				
1	Air (Classified & Non Classified Areas)	Bacterial Count (By Air Sampler)	VAT/TM/232, Issue No.01, Issue Dt.: 15.10.16, 2016	Air Sampler – Hi 437+Incubator
		Bacterial Count (By Settle Plate)	VAT/TM/231, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
		Fungal Count / Yest and Mold Count (By Air Sampler)	VAT/TM/234, Issue No.01, Issue Dt.: 15.10.16, 2016	Air Sampler – Hi 437+Incubator
		Fungal Count / Yeast and Mold Count (By Settle Plate)	VAT/TM/233, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
2.	Surface (Classified & Non classified Areas) – By Contact Plate	Bacterial Count	Method I: Swab: US Pharmacopoeia 36 <1116> (2013) VAT/TM/M/235, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
		Fungal Count / Yeast and Mold Count	Method I: Swab: US Pharmacopoeia 36 <1116> (2013) VAT/TM/236, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator

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BIOLOGICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
3.	Surface (Classified & Non Classified Areas) – By Swabbing	Bacterial Count	Method II: Swab: US Pharmacopoeia 36 <1116> (2013) VAT/TM/M/239, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
		Fungal Count / Yeast and Mold Count	Method II: Swab: US Pharmacopoeia 36 <1116> (2013) VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
4.	Surface: Equipment Surface Swabs, Hand Swabs, Working Surface Swabs, Food Contact Surface Swabs	Coliform Count	VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator, Biosafety Cabinet
		Detection of E. coli	VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator, Biosafety Cabinet
		Detection of S. aureus	VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator, Biosafety Cabinet
		Total Bacterial Count / Total Microbial Count	Method I: Contact Plate: US Pharmacopoeia 36 <1116> (2013) VAT/TM/M/239, Issue No.01 Issue Dt.: 25.10.16, 2016	Incubator
		Total Bacterial Count	VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator

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BIOLOGICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Yeast and Mold Count (cfu/25 cm ²) - by using Contact Plate	Method I: Contact Plate: US Pharmacopoeia 36 <1116> (2013) VAT/TM/M/240, Issue No. 01 Issue Dt.: 25.10.16,2016	Incubator
		Yeast and Mold Count	VAT/TM/M/240, Issue No.01, Issue Dt.: 15.10.16, 2016	Incubator
Group: Food and Agricultural Products				
1.	Bakery and Bakery Products, Beverages (Non-Carbonated, Non Alcoholic), Fruit and Fruit Products, Meat and Meat Products, Fish and Fish Products, Milk and Dairy Products, Starch and Starch Products, Vegetable and Vegetable Products, Pet Food	Coliform Enumeration	IS 5401 (Part 1) :2012 RA 2022	Homogenizer Incubator
		Coliform Enumeration (MPN)	IS 5401 (Part 2): 2012 RA 2022	
		Detection of E. coli	IS 5887 (Part 1): 1976 RA 2022	Incubator, Homogenizer Biosafety cabinet
		Detection of S. aureus	IS 5887 (Part 2): 1976 RA 2022	
		Detection of Salmonella	IS 5887 (Part 3): 1999 RA 2022	
		Detection of Shigella	IS 5887 (Part 7): 1999 RA 2022	
		S. aureus Enumeration	IS 5887 (Part 2): 1976 RA 2022	
		Total Viable Count	IS 5402: Part 1: 2021	Incubator, Homogenizer
		Yeast and Mold Count	IS 5403: 1999, RA 2018	

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BIOLOGICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
Group: Microbiological Tests				
1.	Water: Drinking Water, Packaged Drinking Water, Packaged Natural Mineral Water, Water for Industrial Purpose, Water Purifiers, Ground Water, Surface Water, Water for Swimming Pool and Spas, Water for Construction Purpose, Water for Medical Purpose, Distilled/ Demineralized Water for Processed Food Industry, ETP Water, STP Water, Water from any other source	Detection of Coliforms	IS 15185:2016, RA 2021	Incubator
		Detection of E. coli	IS 15185:2016, RA 2021	Incubator, Biosafety Cabinet
			VAT/TM/226, Issue No.01, Issue Dt: 17.08.16: 2016	
		Detection of Legionella Sps.	ISO 11731: 2017	
		Detection of Pseudomonas	VAT/TM/227, Issue No.01, Issue Dt: 17.08.16: 2016	Incubator, Homogenizer
			Annex. D, Ammd. 8, 2020, IS 13428: 2005 RA 2018	
		Detection of S. aureus	VAT/TM/229, Issue No.01, Issue Dt: 17.08.16: 2016	Incubator, Biosafety Cabinet
			IS 5887 (Part 2), 1976: 2022	
		Detection of Salmonella	IS 15187:2016 RA 2021	Incubator, Homogenizer
VAT/TM/228, Issue No.01, Issue Dt: 17.08.16: 2016				
Detection of Sulphate Reducing Bacteria	IS 1622: 1981, RA 2019	Incubator		

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Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Coliform Enumeration	IS 5401 (Part 1) 2012: RA 2022	Incubator
		Coliform Enumeration (MPN)	IS 1622: 1981, RA 2019,	
		Detection of Fecal Streptococci	IS 15186: 2002, RA 2018	Incubator, Biosafety Cabinet
			IS 5887 (Part 2): 1976, RA 2022	
		Detection of Fecal Coliforms	IS 1622: 1981, RA 2019	Incubator
		Detection of Shigella	IS 5887 (Part 7): 1999: RA 2022	Incubator, Biosafety Cabinet
		Detection of Sulphite Reducing Bacteria	APHA 24 th Edition: 9240: 2023	Incubator
			Annex C, IS 13428:2005 RA 2018	
		Total Viable Count	IS 5402: Part 1: 2021	
		Total Viable Count / Total Microbial Count	IS 1622: 1981, RA 2019	
IS 3328: 1998: RA 2019				
	VAT/TM/M/230, Issue No.01, Issue Dt.: 17.08.16, 2016			
Yeast and Mold Count	IS 5403: 1999, RA 2018			
Group: Sterility Tests for Drugs				
1.	Pharmacopoeial Preparations	Sterility Checking	Appendix 9.5 - IP – A – 117 - 2018	Incubator

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
Group: Food and Agricultural Products				
1.	Pet Food, Bakery and Confectionery Products, Cereal, Pulses and Cereal Products, Fruit and Fruit Products, Jams Juices and Concentrates, Milk and Dairy Products, Vegetable and Vegetable Products	Ash	IS 7874 (Part I) 2019	Weighing Balance, Muffle Furnace
			IS 12711: 1989 RA 2020	
			Fssai, Manual of Methods of Analysis of Foods, Cereal and Cereal Products: 2016	
			IS 1009: 1979 RA 2020	
			Fssai, Manual of Methods of Analysis of Foods, Fruit and Vegetable Products: 2016	
			IS 1165: 2022 (Sixth Revision)	
		IS 1479 (Part II) RA 2018		
	Calorific Value	VAT/TM/C/187, Issue No. 01, Issue Dt.: 24.03.2014, 2014	Calculative	
	Carbohydrates	VAT/TM/C/186, Issue No. 01, Issue Dt.: 24.03.2014, 2014		
	Crude Fibre	IS 7874 (Part I): RA 2019	Weighing Balance, Oven, Muffle Furnace	
		IS 12711: 1989 RA 2020		
		IS 10226 (Part I): 1982 RA 2020		

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Moisture	Fssai, Manual of Methods of Analysis of Foods, Fruit and Vegetable Products: 2016	Weighing Balance, Oven
			IS 16072: 2012 RA 2018	
			Fssai, Manual of Methods of Analysis of Foods, Cereal and Cereal Products: 2016	
			IS 1009: 1979 RA 2020	
			IS 12711: 1989 RA 2020	
			IS 7874 (Part 1) 2019	
		IS 4333 (Part II) 2018		
		Fat	IS 7874 (Part I) 2019	Weighing Balance, Oven, Soxhlet Assembly
			IS 12711: 2020	
			VAT/TM/C/27, Issue No.01, Issue Dt. 24.03.14: 2014	
Protein	IS 1224 (Part I): 2022	Weighing Balance, Kjedral Assembly		
	IS 7874 (Part I): 2019			
IS 7219: 1973 RA 2020				
Group: Pollution and Environment				
1.	Effluents and Sewage	Free Residual Chlorine	IS 3025 (Part 26) 2021	Titrimetric
		Acidity	IS 3025 (Part 22): 1986 RA 2019	
		Ammonia Nitrogen	APHA 24 th Edition 4500 – NH ₃ – F : 2023	UV- Visible Spectrometer

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Calcium as Ca	APHA 24 th Edition 3500 – Ca – B : 2023	Titrimetric
		Calcium Hardness as CaCO ₃	APHA 24 th Edition 3500 – Ca – B : 2023	
		Chloride as Cl	APHA 24 th Edition 4500 – Cl – B : 2023	Argentometric
		Colour	APHA 24 th Edition 2120 C : 2023	UV- Visible Spectrometer
		Electrical Conductivity	APHA 24 th Edition 2510 : 2023	Conductivity Meter
		Fluoride	APHA 24 th Edition 4500 – F – D: 2023	UV- Visible Spectrometer
		Iron as Fe	IS 3025 (Part 53): 2019	
		Magnesium as Mg	APHA 24 th Edition 3500 – Mg – B : 2023	Titrimetric
		Nitrate as NO ₃	IS 3025 (Part 34): Sec 3: 2019	UV- Visible Spectrometer
		Nitrite as NO ₂	APHA 24 th Edition 4500 – NO ₂ – B: 2023	
		Odour	IS 3025 (Part 5): 2018	Sensory
		pH	APHA 24 th Edition 4500 – H+ B : 2023	pH Meter
		Phosphate as PO ₄	APHA 24 th Edition 4500 – P – C : 2023	UV- Visible Spectrometer
		Potassium as K	APHA 24 th Edition 3500 – K-B : 2023	Flame Photometer
		Silica as SiO ₂	APHA 24 th Edition 4500 – SO ₂ – D : 2023	UV- Visible Spectrometer

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Sodium as Na	APHA 24 th Edition 3500 – Na – B : 2023	Flame Photometer
		Sulphate as SO4	APHA 24 th Edition 4500 – SO4 – 2 – E : 2023	UV- Visible Spectrometer
		Total Alkalinity as CaCO3	IS 3025 (Part 23)2003 RA 2019	Titrimetric
		Total Dissolved Solids	APHA 24 th Edition 2540 – C : 2023	TDS Meter
		Total Hardness as CaCO3	APHA 24 th Edition 2340 – C : 2023	Titrimetric
		Turbidity	APHA 24 th Edition 2130 – B : 2023	Turbidity Meter
		Chemical Oxygen Demand	IS 3025 Part 58: 2006 RA 2022	COD Digester
		Biological Oxygen Demand	IS 3025 Part 44: 1993 RA 2019	BOD Incubator
		Total Suspended Solids	APHA 24 th Edition 2540 – D: 2023	Weighing Balance, Oven
		Total Oil and Grease	APHA 24 th Edition 5520 – B: 2023	
Group: Water				
1.	Drinking Water, Packaged Drinking Water, Ground Water, Surface Water, Industrial Water, Irrigation Water,	Acidity	IS 3025 (Part 22) : 2019	Titrimetric
		Calcium as Ca	APHA 24 th Edition 3500 – Ca – B: 2023	
		Calcium Hardness as CaCO3	APHA 24 th Edition 3500 – Ca – B: 2023	

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
	Swimming Pool Water, Water from Purifiers	Chloride as Cl	APHA 24 th Edition 4500 – Cl – B : 2023	Argentometric
		Colour	APHA 24 th Edition 2120 – C: 2023	UV- Visible Spectrometer
		Electrical Conductivity	APHA 24 th Edition 2510: 2023	Conductivity Meter
		Fluoride as F	APHA 24 th Edition 4500 – F – D: 2023	UV- Visible Spectrometer
		Free Residual Chlorine	IS 3025 (Part 26) : 2021	Titrimetric
		Iron as Fe	IS 3025 (Part 53) : 2003 RA 2019	UV- Visible Spectrometer
		Magnesium as Mg	APHA 24 th Edition 3500 – Mg - B: 2023	Titrimetric
		Nitrate as NO ₃	IS 3025 (Part 34) : 1988: RA 2021	UV- Visible Spectrometer
		Nitrite as NO ₂	APHA 24 th Edition 4500 – NO ₂ – B: 2023	
		Odour	IS 3025 (Part 5): 2018	Sensory
		pH	APHA 24 th Edition 4500 – H+B : 2023	pH Meter
		Phosphate as PO ₄	APHA 24 th Edition 4500 – P – C: 2023	UV- Visible Spectrometer
		Potassium as K	APHA 24 th Edition 3500 – K – B : 2023	Flame
Silica as SiO ₂	APHA 24 th Edition 4500 – SiO ₂ – D : 2023	UV- Visible Spectrometer		

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CHEMICAL TESTING

Laboratory based Testing

S.No.	Material/Products	Component/Parameter/ Characteristic tested	Test Method	Equipment used
		Sodium as Na	APHA 24 th Edition 3500 – Na – B : 2023	Flame Photometer
		Sulphate as SO ₄	APHA 24 th Edition 4500 – SO ₄ – E: 2023	UV- Visible Spectrometer
		Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2019	Titrimetric
		Total Dissolved Solids	APHA 24 th Edition 2540 – C : 2023	TDS Meter
		Total Hardness as CaCO ₃	APHA 24 th Edition 2340 – C : 2023	Titrimetric
		Turbidity	APHA 24 th Edition 2130 – F : 2023	Turbidity Meter
		Ammonia Nitrogen as NH ₃	APHA 24 th Edition 4500 – NH ₃ – F : 2023	UV- Visible Spectrometer

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