



CALANTHA BIOTECH PRIVATE LIMITED

REGD. OFFICE: 171, Sanzgiri Sadan, 2nd Floor, A - Block, J.S.S Road, Girgaum, Mumbai - 400004

LABORATORY: C-110, Ansa Industrial Estate, Saki Vihar Road, Andheri (East), Mumbai - 400072

CIN: U74120MH2014PTC258251 Mobile: 9820258144 Email id: madhura.n@calanthabiotech.com

SERVICES OFFERED BY CALANTHA BIOTECH

Sr. No.	Test Method	Test Features	Specifications
1.	Total Bacterial Count	Soil, Water, Powder and Fabrics	Cfu count will be provided
2.	Total Yeast and Mold Count	Soil, Water, Powder and Fabrics	Cfu count will be provided
3.	Detection of Specific Type of Organisms	This test involves detection of all types of microorganisms in soil and water samples using selective and differential media	
	a. Detection of Azotobacter		
	b. Detection of Rhizobium		
	c. Detection of Azospirillum		
	d. Detection of Staphylococcus aureus		
	e. Detection of E.coli		
	f. Detection of Pseudomonas		
	g. Detection of Candida		
	h. Detection of Clostridium		
4.	Agar Well Diffusion Method/Agar Disc Diffusion Method	Testing for sample with two different Bacteria (Gram Positive and Gram negative).	Products like powders, gels, paints, Discs, Films, food products and many more
5.	Minimum Inhibitory Concentration [MIC]	Testing different concentrations of one sample with different Bacteria (Gram Positive and Gram negative) and Fungi as per the Client Requirement	Products like powders, gels, paints, Discs, Films, food products and many more
6.	Antibacterial Activity of Fabrics- Parallel Streak Method AATCC 147	Testing with two different Bacteria (One Gram positive and One Gram Negative)	A4 Size Fabric sample needed
7.	Antibacterial Activity of Fabrics- Quantitative Assessment AATCC 100	Testing with two different Bacteria (One Gram positive and One Gram Negative)	A4 Size Fabric sample needed



CALANTHA BIOTECH PRIVATE LIMITED

REGD. OFFICE: 171, Sanzgiri Sadan, 2nd Floor, A - Block, J.S.S Road, Girgaum, Mumbai - 400004

LABORATORY: C-110, Ansa Industrial Estate, Saki Vihar Road, Andheri (East), Mumbai - 400072

CIN: U74120MH2014PTC258251 Mobile: 9820258144 Email id: madhura.n@calanthabiotech.com

Sr. No.	Test Method	Test Features	Specifications
8.	Antibacterial Activity of Fabrics- Quantitative Assessment ASTM E 2149	Testing with two different Bacteria (One Gram positive and One Gram Negative)	A4 Size Fabric sample needed
9.	Antifungal Activity of Fabrics (AATCC 30, AATCC 174)	For one fabric testing with one type of fungus	A4 Size Fabric sample needed
10.	JIS L 1902: 2015	Testing with two different Bacteria (One Gram positive and One Gram Negative)	A4 Size Fabric sample needed
11.	ISO 20743	Testing with two different Bacteria (One Gram positive and One Gram Negative)	A4 Size Fabric sample needed
12.	JIS Z 2801	Testing with two different Bacteria (One Gram positive and One Gram Negative)	Sample size to be discussed
13.	ASTM E 2315	Testing with two different Bacteria (One Gram positive and One Gram Negative)	Suspension Time kill Test
14.	ASTM G21	Assessment of Antifungal Activity, Mildew and Rot Resistance of Textile Materials	Evaluation of Antifungal Activity of Samples using Mixed Spore Suspension of 5 Fungi
15	EN 1040	Testing with two different Bacteria	Evaluation of Bactericidal Activity of Antiseptics
16.	ISO 22196	Testing with two different Bacteria (One Gram positive and One Gram Negative)	Plastic samples
17.	Enzyme Activity Estimation	Only Enzyme Activity will be performed by Titration and Spectrophotometric method	Lipase, Protease, Amylase, Cellulase, Esterase, β - Glucosidase, Glucose oxidase, Catalase, Peroxidase, Laccase, Pectinase, Chitinase, Xylanase, Dextranase,



CALANTHA BIOTECH PRIVATE LIMITED

REGD. OFFICE: 171, Sanzgiri Sadan, 2nd Floor, A - Block, J.S.S Road, Girgaum, Mumbai - 400004

LABORATORY: C-110, Ansa Industrial Estate, Saki Vihar Road, Andheri (East), Mumbai - 400072

CIN: U74120MH2014PTC258251 **Mobile:** 9820258144 **Email id:** madhura.n@calanthabiotech.com

			Manganese Peroxidase, Nucleic Acid Enzymes
18.	Complete enzyme characterization studies	Along with enzyme activity, pH and temperature stability, metal ion and surfactant stability studies will be conducted	Depends upon number of samples and parameters
19.	Enzyme Formulation Services	Enzyme Stability Parameters, Application Based Formulation of Enzymes will be done for Better Performance of the Enzymes depending upon the end use of the enzymes	Lipase, Protease, Amylase, Cellulase, Esterase, β -Glucosidase, Catalase, Peroxidase, Laccase, Pectinase, Chitinase, Xylanase, Manganese Peroxidase

Contact: +91 9820258144

Email ID: madhura.n@calanthabiotech.com