



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **1** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

S. No.	Types of reference materials (Certified Reference Materials, Reference Materials or both) Category & Subcategory	Reference Material Matrix or Artefact	Property / Properties Characterized	Approach used to assign property values/ Characterization Technique	Facility
1	Category: Biological and Clinical Properties Subcategory: Bacteriology	Aerococcus viridans	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations (Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
2	Category: Biological and Clinical Properties Subcategory: Bacteriology	Alicyclobacillus acidoterrestris	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
3	Category: Biological and Clinical Properties Subcategory: Bacteriology	Azotobacter chroococcum	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **2** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
4	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus subtilis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
5	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus amyloliquefaciens	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
6	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus atrophaeus	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **3** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

7	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus cereus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
8	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus cereus var mycoides	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
9	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus coagulans	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
10	Category: Biological and Clinical Properties	Bacillus megaterium	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature  
**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **4** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
11	Category: Biological and Clinical Properties Subcategory: Bacteriology	Alkalihalobacillus clausii	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
12	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus pumilis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
13	Category: Biological and Clinical Properties Subcategory: Bacteriology	Bacillus licheniformis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase)	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature  
**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **5** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
14	Category: Biological and Clinical Properties Subcategory: Bacteriology	Clostridium perfringens	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
15	Category: Biological and Clinical Properties Subcategory: Bacteriology	Clostridium sporogenes	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
16	Category: Biological and Clinical Properties Subcategory: Bacteriology	Clostridium butyricum	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **6** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

17	Category: Biological and Clinical Properties Subcategory: Bacteriology	Cronobacter sakazaki	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
18	Category: Biological and Clinical Properties Subcategory: Bacteriology	Citrobacter freundii	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
19	Category: Biological and Clinical Properties Subcategory: Bacteriology	E coli (Davis mutant)	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
20	Category: Biological and Clinical Properties	E coli OH157	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope





## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. 7 of 20  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
21	Category: Biological and Clinical Properties Subcategory: Bacteriology	E. coli	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
22	Category: Biological and Clinical Properties Subcategory: Bacteriology	Enterobacter aerogenes	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
23	Category: Biological and Clinical Properties Subcategory: Bacteriology	Enterobacter cloacae	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase)	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **8** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
24	Category: Biological and Clinical Properties Subcategory: Bacteriology	Enterococcus faecalis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
25	Category: Biological and Clinical Properties Subcategory: Bacteriology	Enterococcus faecium	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
26	Category: Biological and Clinical Properties Subcategory: Bacteriology	Enterococcus hirae	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate



Scope





## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **9** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

27	Category: Biological and Clinical Properties Subcategory: Bacteriology	Geobacillus stereothermophilus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
28	Category: Biological and Clinical Properties Subcategory: Bacteriology	Klebsiella pneumoniae	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
29	Category: Biological and Clinical Properties Subcategory: Bacteriology	Lactobacillus plantarum	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
30	Category: Biological and Clinical Properties	Lactobacillus fermentum	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **10** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
31	Category: Biological and Clinical Properties Subcategory: Bacteriology	Legionella pneumophila	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
32	Category: Biological and Clinical Properties Subcategory: Bacteriology	Legionella pneumophila	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
33	Category: Biological and Clinical Properties Subcategory: Bacteriology	Listeria innocua	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase)	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **11** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
34	Category: Biological and Clinical Properties Subcategory: Bacteriology	Listeria ivanovii	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
35	Category: Biological and Clinical Properties Subcategory: Bacteriology	Listeria monocytogenes	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
36	Category: Biological and Clinical Properties Subcategory: Bacteriology	Listeria seeligeri	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **12** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

37	Category: Biological and Clinical Properties Subcategory: Bacteriology	Micrococcus luteus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
38	Category: Biological and Clinical Properties Subcategory: Bacteriology	Proteus mirabilis	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
39	Category: Biological and Clinical Properties Subcategory: Bacteriology	Pseudomonas aeruginosa	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
40	Category: Biological and Clinical Properties	Pseudomonas fluorescens	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **13** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
41	Category: Biological and Clinical Properties Subcategory: Bacteriology	Pseudomonas putida	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
42	Category: Biological and Clinical Properties Subcategory: Bacteriology	Rhizobium leguminosarum	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
43	Category: Biological and Clinical Properties Subcategory: Bacteriology	Rhodococcus equi	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase)	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **14** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
44	Category: Biological and Clinical Properties Subcategory: Bacteriology	Salmonella abony	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
45	Category: Biological and Clinical Properties Subcategory: Bacteriology	Salmonella enteriditis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
46	Category: Biological and Clinical Properties Subcategory: Bacteriology	Salmonella typhimurium	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate



Scope





## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **15** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

47	Category: Biological and Clinical Properties Subcategory: Bacteriology	Salmonella choleraesius	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
48	Category: Biological and Clinical Properties Subcategory: Bacteriology	Serratia marcescens	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
49	Category: Biological and Clinical Properties Subcategory: Bacteriology	Shigella boydii	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
50	Category: Biological and Clinical Properties	Shigella dysenteriae	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **16** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
51	Category: Biological and Clinical Properties Subcategory: Bacteriology	Shigella flexineri	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
52	Category: Biological and Clinical Properties Subcategory: Bacteriology	Staphylococcus aureus	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
53	Category: Biological and Clinical Properties Subcategory: Bacteriology	Staphylococcus aureus (CAMP)	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase)	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature  
**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **17** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

			• 16S rDNA sequence homology > 98%	• 16S rDNA sequencing for identification	
54	Category: Biological and Clinical Properties Subcategory: Bacteriology	Staphylococcus epidermidis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
55	Category: Biological and Clinical Properties Subcategory: Bacteriology	Streptococcus mutans	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
56	Category: Biological and Clinical Properties Subcategory: Bacteriology	Streptomyces griseus	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **18** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

57	Category: Biological and Clinical Properties Subcategory: Bacteriology	Vibrio cholerae	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
58	Category: Biological and Clinical Properties Subcategory: Bacteriology	Vibrio parahaemolyticus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
59	Category: Biological and Clinical Properties Subcategory: Bacteriology	Vibrio vulnificus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological colony characteristic on selective plate</li><li>• Biochemical test observations ( Doc</li><li>• 16S rDNA sequence homology &gt; 98%</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li><li>• Biochemical Test (IMViC, TSI, Catalase, Oxidase)</li><li>• 16S rDNA sequencing for identification</li></ul>	Permanent
60	Category: Biological and Clinical Properties	Vibrio alginolyticus	<ul style="list-style-type: none"><li>• Gram Character and Microscopic observation</li><li>• Morphological</li></ul>	<ul style="list-style-type: none"><li>• Gram Staining Technique</li><li>• Colony Morphology on Selective Media</li></ul>	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature  
**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **19** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

	Subcategory: Bacteriology		colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	
61	Category: Biological and Clinical Properties Subcategory: Bacteriology	Aeromonas hydrophilia	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
62	Category: Biological and Clinical Properties Subcategory: Bacteriology	Alcaligenes faecalis	• Gram Character and Microscopic observation • Morphological colony characteristic on selective plate • Biochemical test observations ( Doc • 16S rDNA sequence homology > 98%	• Gram Staining Technique • Colony Morphology on Selective Media • Biochemical Test (IMViC, TSI, Catalase, Oxidase) • 16S rDNA sequencing for identification	Permanent
63	Category: Biological and Clinical Properties Subcategory: Mycology	Aspergillus brasiliensis	• Microscopic observation • Morphological colony characteristic on selective plate • ITS sequence homology > 98%	• Monochrome staining Technique • Colony Morphology on Selective Media • ITS region sequencing for identification	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature

**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope



## Scope of Accreditation for Reference Material Producers

As per ISO 17034:2016

**CAB Name:** PURE MICROBES  
**Address:** Sr. No. 167/A, H No. 8/9, Plot no. 7/8, 1st Lane,  
Happy Colony, Kothrud,  
Pune 411038, Maharashtra  
**Certificate No.:** R-0002

Page No. **20** of **20**  
**Issue date** : 22.01.2026  
**Validity** : 21.01.2027

**Amendment date:** NA

64	Category: Biological and Clinical Properties Subcategory: Mycology	Aspergillus flavus	· Microscopic observation · Morphological colony characteristic on selective plate · ITS sequence homology > 98%	· Monochrome staining Technique · Colony Morphology on Selective Media · ITS region sequencing for identification	Permanent
65	Category: Biological and Clinical Properties Subcategory: Mycology	Aspergillus versicolor	· Microscopic observation · Morphological colony characteristic on selective plate · ITS sequence homology > 98%	· Monochrome staining Technique · Colony Morphology on Selective Media · ITS region sequencing for identification	Permanent
66	Category: Biological and Clinical Properties Subcategory: Mycology	Candida albicans	· Microscopic observation · Morphological colony characteristic on selective plate · ITS sequence homology > 98%	· Monochrome staining Technique · Colony Morphology on Selective Media · ITS region sequencing for identification	Permanent
67	Category: Biological and Clinical Properties Subcategory: Mycology	Fusarium oxysporum	· Microscopic observation · Morphological colony characteristic on selective plate · ITS sequence homology > 98%	· Monochrome staining Technique · Colony Morphology on Selective Media · ITS region sequencing for identification	Permanent



Certificate

This is annexure to 'Certificate of Accreditation' and does not require any signature  
**Reg Office:** 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



Scope