



## TECHNICAL DATA SHEET OF **CYANO-L**

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### Product Description

CYANO-L is a bioremediator and an extraordinary blend of multi strain. It controls blue green algae and stimulates DO in the pond.

### Total Microbes

**Guaranteed Analysis: Min.  $2 \times 10^9$  CFU/ml**

*Brevibacillus parabrevis, Paracoccus versutus.*

### Purpose of use

- Improves water quality for aquatic species.
- Reduces the blue green algae in the pond water which causes microcyst..
- Controls the major three genera of cyanobacteria.
- Prevents over blooming, off odor and floating scum.
- Reduces toxicity in ponds.

### Dosage

Shrimp

Earthen ponds: Apply 10 liters per hectare weekly. Repeat the dose if necessary after 4-5 days.

Or as per the advice of an aquaculture consultant consultant.

### Specifications

Trade Name	<b>CYANO-L</b>
Appearance	A light ruby colored liquid
pH	7-9
Odor	Characteristic putrefied smell
Pack	5 lt, 20 lt HDPE container
Shelf Life	12 months
Storage	Store in a cool & dry place with good ventilation. Avoid direct sunlight.

### Application:

Take the recommended quantity of Cyano-L, dilute with 50 times of clean water. Mix well, aerate if possible for 2 hours and apply the recommended quantity all over the pond uniformly.

AQUACULTURE & ANIMAL USE ONLY. NOT FOR MEDICINAL/HUMAN USE.

## CERTIFICATION OF ANALYSIS

### QUALITY CONTROL DEPARTMENT FINISHED PRODUCT (POWDERS)

Name of the product : **Cyano-L**  
Batch No. : BW-CL6470  
Batch Size : 2000 liter  
Mfg. Date : January - 2023  
Exp. Date : September - 2023  
Date of Sampled : 03-01-2023  
Date of Analysis : 03-01-2023  
Date of report : 13-01-2023  
Sample Quantity : 1x5L  
A.R.Number : BW/PW/6470/2022-23

Test/Parameter	Method/Specification	Result
<b>DISCIPLINE: CHEMICAL</b>		
Description	A light ruby colored liquid	Complies
pH	7-9	7.28
Weight per ml	NLT 0.9 g/ml	1.029 g/ml
<b>DISCIPLINE: BIOLOGICAL</b>		
<i>Escherichia coli</i>	Characteristic growth should not be observed	Not Observed
<i>Staphylococcus aureus</i>	Characteristic growth should not be observed	Not Observed
<i>Pseudomonas</i>	Characteristic growth should not be observed	Not Observed
<i>Salmonella spp</i>	Characteristic growth should not be observed	Not Observed
Yeast & Mould count	Not more than 20 CFU/ml	02 CFU/ml
Total Microbial Count	NLT 2 Billion CFU/ml	4 Billion CFU/ml

**Report:** The Sample complies/~~does not comply~~ with the above In-House specification.



Analysed by

Date:13-01-2023



Approved by  
Head of the Quality Control  
Date:17-10-2022



HUWEL LIFE SCIENCES PVT LTD

LAB REPORT

CULTURE IDENTIFICATION BY 16s rDNA SEQUENCING REPORT

NAME OF SAMPLES	RECEIVED FROM AND DATE	REPORTED ON	TEST PARAMETER	INTERPRETATION OF SEQUENCE
MTCC 7170	BLUEWEIGHT BIOSCIENCES PVT LTD 15.07.2022	28.07.2022	<u>CULTURE IDENTIFICATION</u> <u>BY 16s rDNA</u> <u>SEQUENCING</u>	Paracoccus versutus

METHODOLOGY:

- DNA was isolated from the culture using alkaline lysis method.
- PCR was done with specific primers which amplify the bacterial sps.
- Region amplified: 18SrRNA gene.
- Gel electrophoresis
- Amplicon was extracted from gel using Qiagen gel extraction kit.
- Extracted product was sequenced.

PCR REACTION CONDITIONS:

	No. of cycles	Temperature (°C)	Time
	1	95	5min
	35	94	30min
		52	30sec
	1	72	1.30sec
	1	72	5 min
	1	4	hold

QUERY SEQUENCE GENERATED USING FORWARD PRIMER :

TCCCTTGACTCAGCGTCGATTTCGAGCCAGTGAGCCGCTTCGCCACTGGGTGTTCCCTCCGCAATATCTACGAAATTCACCTCTACACTCGGAATCCACTCTC  
CTCTCTCGAACTCCAGACAGGTAGTTTTGAAGGCAGTTCCGGGGTGGAGCCCCGGGATTCACCCCAACTTCCGGTCCGCTACGTGCGCTTTACGCCATA  
AATTCCGAACAACGCTGCCCCCTCCTAATTACCGCGGCTGCTGGCACGGAGTTAGCCGGGGCTTCTCTGCTGGTACCGTCATTATCTCCAGCTGAAAGAG  
CTTTACTACCCACGGACTTCATCACTCTAGCGCCATGGCAACATCATGGTTGCCCCATTGTGCAACATTCACACTGCTGCCTCGCGTAGGAGTCTGGGTGG  
TGTCTCACTCCAGAGTGGCTGATCATCTCTACACCATCTATGGATCCTCCGCTGGGAGGCCATTACCCCACTACGTAATGCCACGGGGCTAATCCTT  
TGGCGATAAATCTTTCCCGAAGGGAGCATAAGGTTATACCCCAATTTCCCTCGACTATTGCGAACCAGGGCATATTCCACGAGTTACTCATCCGTCGCGC  
GCTACCCGAAGGTGCGCTCGACTGACGTGTTACTGCTGAGTCCGCCGCTAGCCCCAAGGGACTCGCTCGACTTCATGTGATAAGG

**NOTE:** Although all precautions are taken and the results cross checked during DNA tests, the currently available data indicates that the technical error rate for all such analysis is approx. 1-2%.The results should be interpreted and acted upon in the light of information noted above.

PERFORMED BY:  
MR. B RAVI, M.Sc.  
ASSISTANT MANAGER,  
MOLECULAR DIAGNOSTICS DIV.

VERIFIED BY:  
Dr. M. SHESHEER KUMAR  
COO, HUWEL HUWEL LIFESCIENCES PVT LTD.

End of the report



HUWEL LIFE SCIENCES PVT LTD

LAB REPORT

CULTURE IDENTIFICATION BY 16s rDNA SEQUENCING REPORT

NAME OF SAMPLES	RECEIVED FROM AND DATE	REPORTED ON	TEST PARAMETER	INTERPRETATION OF SEQUENCE
MTCC 1196	BLUEWEIGHT BIOSCIENCES PVT LTD 15.07.2022	28.07.2022	<u>CULTURE IDENTIFICATION</u> <u>BY 16s rDNA</u> <u>SEQUENCING</u>	Brevibacillus parabrevis

METHODOLOGY:

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QUERY SEQUENCE GENERATED USING FORWARD PRIMER

CACGTTATTGCCCCCTAAGCGTCAGTTTAAGGCCAGAAAGCCGCTTCGCCACTGGTGTTCCCTCCACATCTCTACGGATTTCCCGCTACACGTGGAATACCGCTT  
TCCTCTCTGCACTCAAGCCAGGCAGTTTCCAATGCGTACCGGGGGTGAGCCCCGGGCTTTAACATCAGACTTTCCCGACCGCTGCGCGCGCTTACGCCCA  
ATAATTCGGGACAACGCTTGCCACCTACGTATTACCGGGCTGGTGGCAGTAATTAACCGTGGGTTTCTCCTCAGGGACCGGCAAGGTGCCGCCTTATTCAAA  
CGGCACGGTTTCTCCTGACAACAGAACTTTACAATCCGAAGACCTTCATCGTTACGCGGCGTTGCTCCATCAGACTTTCGTCCATTGTGGAAAATTCCTA  
CTGCTGCCTCCGTAGGAGTCTGGGCCGTGTCTCAGTCCCAGTGTGGCCGGTACACCTCTCAGGTCGGCTACGCATCGTGCCTTGGTAGGCCGTTACCCCA  
CAACCAGCTAATGCGCCGTAGGCCATCTGCCAGTAATAGCCGAAGCCATCTTCCCTATCTGATCATGCAATGAGAAAATCTATCCGGTATTAGCATAAGTTTCC  
CTATGTTATCCCGTCTGAGAGGCAGGTTGCTACGTGTTACTACCCGTCCGCCGCTAG CCCACAAA

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End of the report