FORM FOR SUBMISSION OF ALGAL CULTURE/PASSPORT DATA

NATIONAL REPOSITORY FOR MICROALGAE AND CYANOBACTERIA- FRESH WATER (NRMC-F)

(DBT-sponsored)

Department of Microbiology Bharathidasan University, Tiruchirappalli- 620 024.

For NRMC-F use only

Requisition Number : BUM11016

Repository Code No :

NRMC-F Number : NRMCF0104

1. Person depositing the strain

Name of the depositor: R. Praveen Kumar

Designation: Ph.D

Address/Affiliation: DMBB, Department of Microbiology, Bharathidasan University, Tiruchirappalli.

Mob. No: E-mail address: srkural.bdu@gmail.com

Type of culture: ■ Green algae ☐ Cyanobacteria ☐ Diatom

Name of the culture: *Chlorella vulgaris*

Gene bank accession number if any:

2. Taxonomical information

Strain identification number (s) assigned: By the collector and/or depositor: BUM11016

Division: Chlorophyta

Class: Trebouxiophyceae

Order: Chlorellales

Family: Chlorellaceae

Scientific name with citation of authority: *Chlorella vulgaris Beijerinck*

Taxonomical reference used for identification: M.T.Philipose (1967), Pg. 173, Fig 82

3. Maintenance conditions now used

a) Name of the culture media: $BG11^{+}$

b) Preferred maintenance conditions:

pH **7** Temperature **25° C**

Light Intensity 3000 Lux Salinity **0**

Light period **8 L + 16 D**

Habitat: Fresh water

Location: BDU, Sooriyur

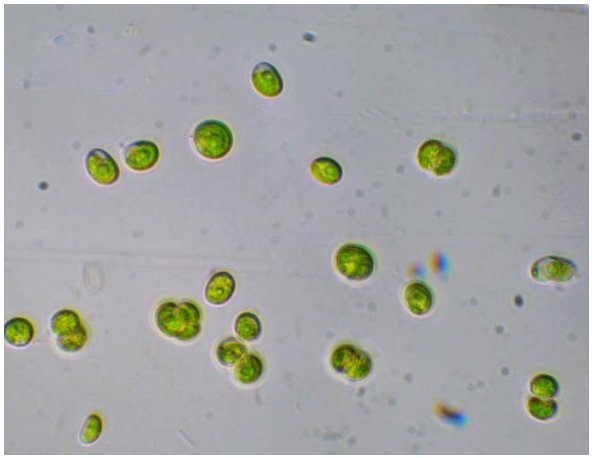
Latitude and Longitude: 10˚ 49'02.47"; 79˚ 51'72.0"

Purification method: Spread plate

4. Molecular characterization if any

5. Image details

Size:8.1 µm

Description:

Unicellular, aggregated, single pyrenoids, smooth cell wall, cell bond chloroplast, periotal arrangement.