

复合碳源 Compounded carbons



产品概述

复合碳源系列产品的外观为无色或微黄色透明液体。复合碳源是多种碳源混合物的总称，由两种或两种以上的有效碳源成分组成。这些成分之间需兼容且无化学反应，不存在安全风险，无腐蚀性。复合碳源的有效 COD（化学需氧量）含量高，且能被微生物轻易吸收，从而可以缩短驯化时间，使菌种快速适应新环境。此外，复合碳源还具有高生物利用率，可以促进反硝化脱氮异养菌群的快速繁殖。



性能特点

1. 生物利用率高，促进反硝化脱氮异养菌群的快速繁殖。;
2. 有效 COD 含量高，针对反硝化细菌专一定制；
3. 无毒无害、生物友好；
4. 处理成本低。

技术指标

项目	指标
化学需氧量 (COD _{CR})/(mg/L)	≥ 2.5*10 ⁵
BOD ₅ /COD _{CR}	≥ 0.55
PH 值	4.0~9.0
密度 (20°C)g/cm ³	1.00~1.26
水不溶物的质量分数/%	≤ 0.2
凝点°C	供需双方协调
总磷 (以 P 计) 的质量分数/%	≤ 0.005
总氮 (以 N 计) 的质量分数/%	≤ 0.025
氯化物 (Cl) 的质量分数/%	≤ 0.025
硫酸盐 (SO ₄) 的质量分数/%	≤ 0.025
汞 (Hg) 的质量分数/%	≤ 0.00002
镉 (Cd) 的质量分数/%	≤ 0.0002
铬 (Cr) 的质量分数/%	≤ 0.0005
砷 (As) 的质量分数/%	≤ 0.0005
铅 (Pb) 的质量分数/%	≤ 0.0005
闪点/°C	> 93.0
金属腐蚀速率 / (mm/a)	≤ 6.25

产品用途

在污水处理中，复合碳源作为碳源补充剂，能够提供微生物生长所需的营养物质，促进生化反应的进行，保持污水处理系统良好的运行。它还可以用于市政和工业污水处理厂，提升污泥活性，处理重金属废水，并缩短恢复时间。复合碳源在污泥处理中作为辅助添加剂，有助于促进有机物的降解和工艺的稳定运行。

包装与贮存

1. 本产品运输过程中应注意包装破损，应贮存于阴凉干燥处。



小心轻放



防晒



严禁倒置

Product Overview

The appearance of the composite carbon source series products is colorless or slightly yellow transparent liquid. Composite carbon source is a general term for a mixture of multiple carbon sources, consisting of two or more effective carbon source components. These components need to be compatible and have no chemical reactions, no safety risks, and no corrosiveness. The effective COD (chemical oxygen demand) content of composite carbon sources is high and can be easily absorbed by microorganisms, thereby shortening the domestication time and enabling bacterial strains to quickly adapt to new environments. In addition, composite carbon sources have high bioavailability and can promote the rapid proliferation of denitrifying and denitrifying heterotrophic bacterial communities.

Characteristics

1. High bioavailability promotes rapid reproduction of denitrifying and denitrifying heterotrophic bacterial communities.;
2. High effective COD content, specifically customized for denitrifying bacteria;
3. Non toxic, harmless, and biologically friendly;
4. Low processing cost.

Technical Specification

Project	Index
Chemical Oxygen Demand Ratio (CODCR)/(mg/L)	≥ 2.5*10 ⁵
BOD ₅ /CODCR	≥ 0.55
ph value	4.0~9.0
Density (20 °C) g/cm ³	1.00~1.26
Mass fraction of water-insoluble substances/%	≤ 0.2
Condensation point °C	供需双方协调
Mass fraction of total phosphorus (calculated as P) /%	≤ 0.005
Mass fraction of total nitrogen (calculated as N) /%	≤ 0.025
Mass fraction of chloride (Cl) /%	≤ 0.025
Mass fraction of sulfate (SO ₄) /%	≤ 0.025
Mass fraction of mercury (Hg) /%	≤ 0.00002
Mass fraction of cadmium (Cd) /%	≤ 0.0002
Mass fraction of chromium (Cr) /%	≤ 0.0005
Mass fraction of arsenic (As) /%	≤ 0.0005
The mass fraction of lead (Pb) /%	≤ 0.0005
Flash point/°C	> 93.0
Metal corrosion rate/(mm/a)	≤ 6.25

Applications

In sewage treatment, composite carbon sources serve as carbon source supplements, providing the necessary nutrients for microbial growth, promoting biochemical reactions, and maintaining the good operation of the sewage treatment system. It can also be used in municipal and industrial wastewater treatment plants to enhance sludge activity, treat heavy metal wastewater, and shorten recovery time. Composite carbon sources, as auxiliary additives in sludge treatment, help promote the degradation of organic matter and the stable operation of the process.

Package and Storage

1. During the transportation of this product, attention should be paid to packaging damage and it should be stored in a cool and dry place..



Handle with care



Sun protection



Do not invert



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