

## Nano-TiO<sub>2</sub> photocatalysis COD degradation agent HB-C2

### ナノTiO<sub>2</sub>光触媒 COD分解剤 HB-C2



The typical method of reducing or eliminating COD from industrial wastewater is mainly biotreatment. However, it takes a long time and is less effective than expected. Therefore, Gracess has developed a special COD degrading agent - HB-C2.

HB-C2 uses a nano-photocatalytic mechanism for COD degradation and fast reaction. The performance is stable and suitable to be used in the environment temperature between 5 to 35 °C for the best result. Low dosage, friendly price, but provides high efficiency.

産業排水のCODを低減・除去する代表的な方法は、主に生物処理です。しかし、時間がかかり、期待するほどの効果が得られないのが現状です。そこで、グレイセスは特殊なCOD分解剤「HB-C2」を開発しました。

HB-C2は、ナノ光触媒のメカニズムでCODを分解し、高速に反応させます。その性能は安定しており、5～35°Cの環境下で使用すれば、最高の結果を得ることができます。低用量で使いやすい価格でありながら、高い効果を発揮します。

#### Physical properties

##### 物性

- Appearance: Milky white liquid  
外観: 乳白色液体
- Composition: Special compounds of nano-photocatalysts  
主成分: ナノ光触媒の特殊化合物
- pH value: 10±1  
pH値
- Solubility: Easy soluble in water  
溶解性: 水に可溶

#### Characteristics / Features

##### 特性・特徴

- It provides excellent decomposing and eliminating effect to high COD dissolved substance.  
高CODの溶存物質に対して優れた分解・除去効果を発揮します。
- The product can rapidly decompose the organic substance and turn into harmless and non-toxic carbon dioxide and water.  
本製品は有機物を速やかに分解し、無害・無毒な炭酸ガスと水に変えることができます。
- It can turn the ammonia-nitrogen and nitrite into harmless nitrogen and reduce the releasing volume of bad odor.  
アンモニア性窒素や亜硝酸塩を無害な窒素に変え、悪臭の放出量を減らすことができます。
- It helps to reduce the time for acclimation of activated sludge and faster the process.  
活性汚泥の馴化時間を短縮し、プロセスの高速化に貢献します。

- The product can suspend the growth of spoilage organisms, and reduce the generation of biogas, ammonia, and hydrogen sulfide.  
腐敗菌の増殖を抑制し、バイオガス、アンモニア、硫化水素の発生を抑制することができます。  
The product helps to increase the use rate of oxygen, reduces aeration, and saves the electricity cost for water treatment.
- 酸素の利用率を高め、エアレーションを減らし、水処理にかかる電気代を節約することができる製品です。  
For domestic wastewater, it helps to increase the removal rate of organic pollutants.
- 生活排水の場合、有機汚濁物質の除去率を高めるのに役立ちます。  
The product is non-toxic to the microorganism of the biosystem.
- バイオシステムの微生物に対して無毒である。

## Application

### 使用方法

- HB-C2 recommended dosage is 0.3Kg~1.5Kg of 1-ton wastewater amount. The dosage can be adjusted accordingly.  
HB-C2 の推奨使用量は、排水量 1 トンに対して 0.3Kg~1.5Kg です。投与量は適宜調整可能です。

## Package

### 梱包仕様

- 25Kg / Drum  
25Kg / ドラム
- The product should be stored in a cool dry indoor, well-sealed the package and prevent direct sunlight.  
本製品は、直射日光を避け、密閉された涼しい乾燥した室内で保管する必要があります。
- The product should not expose to the sun.  
本製品は日光に当てないようにしてください。

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### LIMITED WARRANTY INFORMATION - PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
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