

ENZYMATIC TECHNOLOGY FOR STARCH TREATMENT

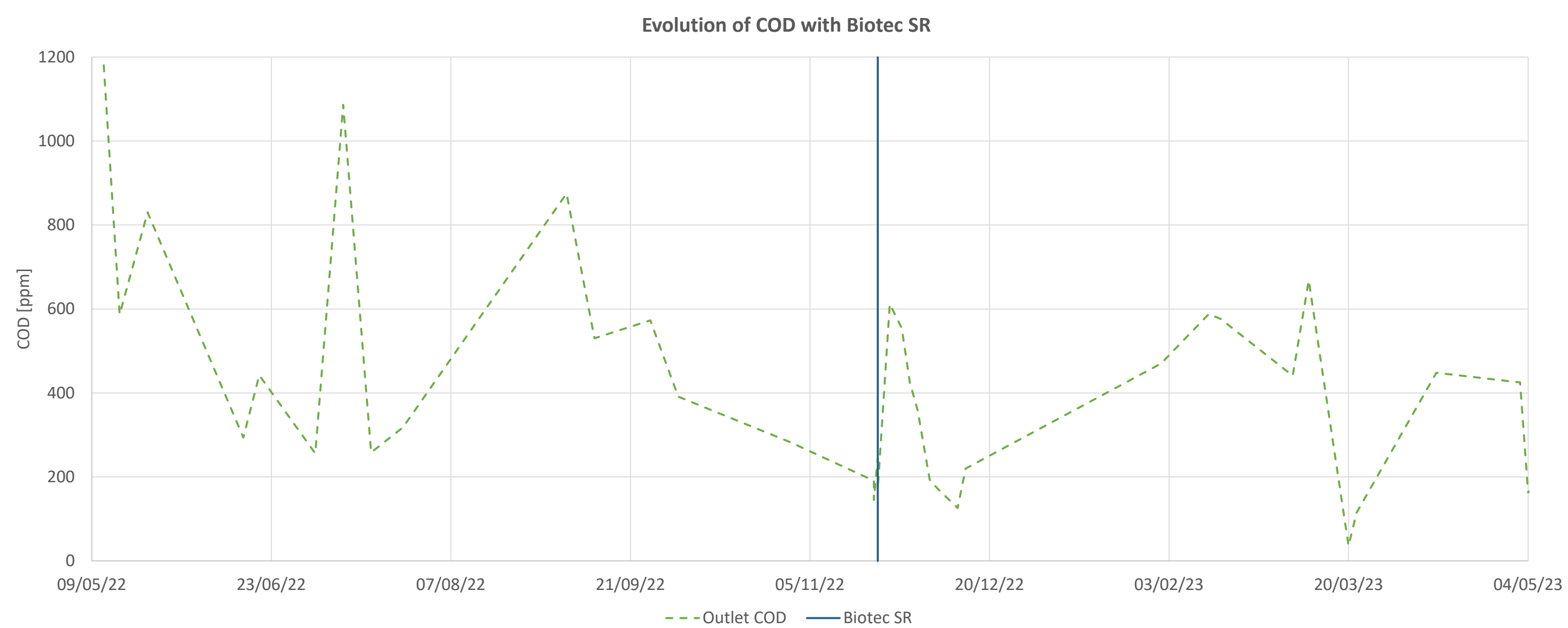
BIOTEC SR concentrated preparation

Developed to facilitate the removal of starch used in paper production.

Hydrolysis of the alpha-glycosidic bonds of high molecular weight polysaccharides, such as starch, releasing low molecular weight carbohydrates easier to treat in WWTP by microorganisms.

APPLICATION: It is recommended to dose in the waters from recuperation fiber that goes to WWTP.

Grade:	Packaging
Fiber:	100% Recycled fiber
Paper weight:	70-90g/m ²
Production:	90t/day
Dosing point:	Waters to WWTP
Dose of BIOTEC SR:	2L/day
Water flow:	20-30m ³ /h



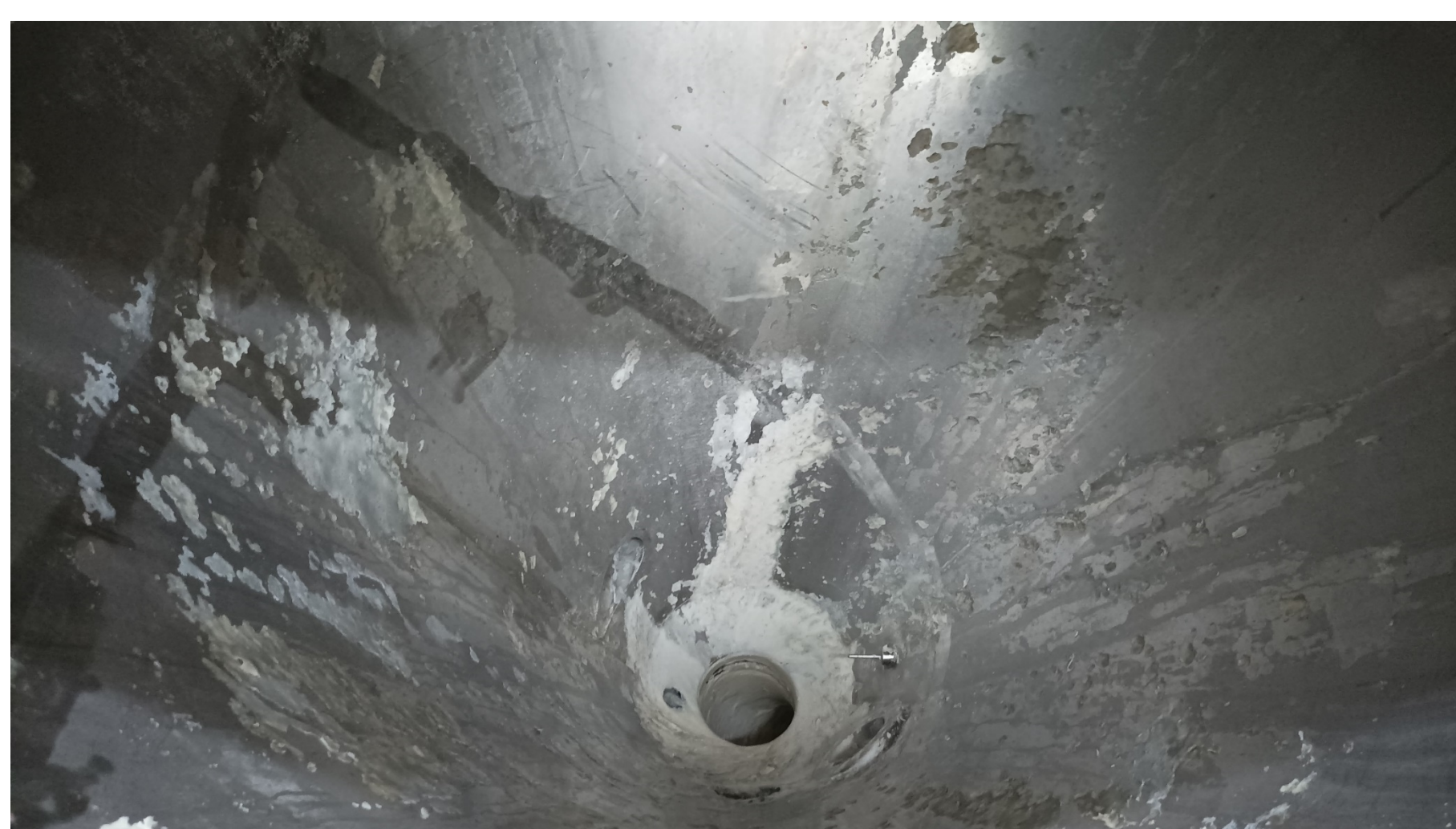
BENEFITS

- **EFFECTIVE REMOVAL OF ALL TYPES OF STARCHES**
- **DIFFERENT PAPER SUPPORTS AND GRADES**
- **SUSTAINABLE RECYCLING**
 - *Avoiding the use of aggressive products and extreme operating conditions that can end up causing damage to the cellulosic fiber*
- **REDUCTION OF COD IN WWTP OUTLET**
- **EASIER TO BIODEGRADE COD BY MICROORGANISMS**

BIOCLEAN LDA cleaning agent

Specifically developed for the removal of starch residues deposited in the circuit and that cause problems related to microbial growth and material detachment, which can ultimately cause problems during production, slime formation and generation of bad smells.

APPLICATION: It can be used diluted in water to clean tanks and pipes or in foam to clean external parts and ceiling of tanks.



Slurry service tank (before)



Slurry service tank (after)



Starch residue from pipes

BENEFITS

- **ENVIRONMENTALLY FRIENDLY FORMULATION**
 - *Compared to traditional chemical products used to clean organic deposits, typically alkaline*
- **DOES NOT REQUIRE ACID NEUTRALIZATION AFTER USE**

David Gracià, Technical Account Manager

+34 678 614 372

david.gracia@sertec20.com

Albert Beltran, Technical Director

+34 608 920 380

albert.beltran@sertec20.com



Carrer Masia d'en Notari, 21
08800 Vilanova i la Geltrú
Barcelona (Spain)