Industry Sustainable

to-clust®

SUSTAINABLE SOLUTIONS IN DEPURATION

t·agua
cuidamos de To agua

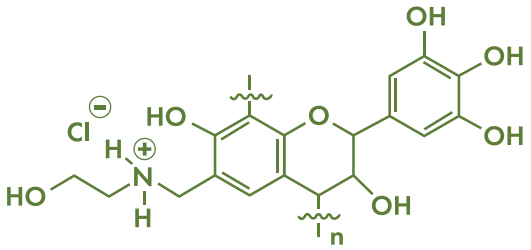
Adintus
ADITIVOS INDUSTRIALES SOSTENIBLES

to-clust

SUSTAINABLE SOLUTIONS IN DEPURATION

to-clust family aditives are developed with innovative technologies with a natural biopolymer extracted from algae and plants, conceived to provide the industry with sustainable solutions in wastewater treatment.

EUROPEAN PATENT APPLICATION



PRODUCT LIFE CYCLE

OTHER ADVANTAGES

- Reduced cost per m3 of treated water due to the high performance of the product.
- The chemical footprint of the treatment in the system is minimal, resulting in water with a higher reuse potential and sludge of better quality and higher commercial value.
- Average sludge management cost reduction of 30%.
- Improved safety in storage and increased durability of the equipment thanks to its NON-corrosive nature.

AVAILABLE PACKAGES

(Consult your sales technician for other formats)

25 L | 200L | 1000L | CISTERN

TU-CLUST PRODUCTS

to-clust POPULUS
to-clust CERCIS
to-clust SALIX
to-clust QUERCUS

SUCCESS STORY - PAPER SECTOR

to-clust POPULUS

VERSATILE AND EFFECTIVE COAGULANT OF NATURAL ORIGIN

TREATMENT PROGRAM

BEFORE: PAC NaOH + SOLID ANIONIC FLOCCULANT

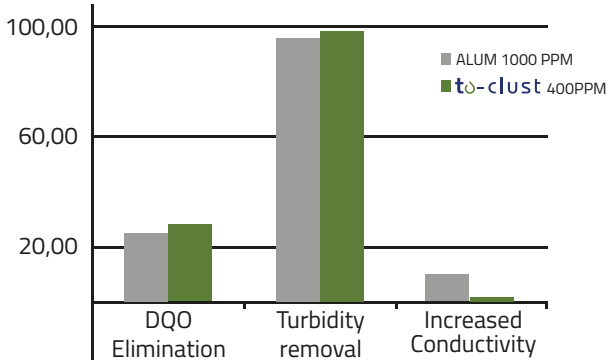
AFTER: to-clust POPULUS + to-clust float

COMPARATIVE to-clust vs PAC

	PAC	to-clust
COAGULANT DOSAGE (ppm)	1000	400
FLOCULANT DOSAGE (ppm)	4	4
SODIUM HYDROXIDE DOSAGE (ppm)	>500	0
COAGULANT REDUCTION APPLIED	60%	

JAR-TEST

POLLUTANT REMOVAL COMPARISON



SUCCESS STORY-CITRUS PROCESSING SECTOR

to-clust POPULUS

VERSATILE AND EFFECTIVE COAGULANT OF NATURAL ORIGIN

TREATMENT PROGRAM

BEFORE: PAC + FLOCULANT CS

AFTER: to-clust POPULUS + to-clust float

COMPARATIVE to-clust vs PAC

	PAC	to-clust
FLOW-RATE (m^3/h)	85	85
COAGULANT DOSAGE (ppm)	290	58
FLOCULANT DOSAGE (ppm)	30	21
COAGULANT REDUCTION APPLIED	79%	
FLOCCULANT REDUCTION APPLIED	28%	

SUCCESS STORY-DAIRY SECTOR

to-clust SALIX

HIGHLY POTENT AND CONCENTRATED COAGULANT OF NATURAL ORIGIN

TREATMENT PROGRAM

BEFORE: CLORURO FÉRRICO + to-clust float

AFTER: to-clust SALIX + to-clust float

COMPARATIVE to-clust vs FERRIC CHLORIDE

	FERRIC CHLORIDE	to-clust
FLOW-RATE (m^3/h)	65	65
COAGULANT DOSAGE (ppm)	240	90
FLOCULANT DOSAGE (ppm)	10	6
COAGULANT REDUCTION APPLIED	62%	
FLOCCULANT REDUCTION APPLIED	40%	

SUCCESS STORY-MEAT INDUSTRY

to-clust QUERCUS

EXTRA POWERFUL COAGULANT OF NATURAL ORIGIN

TREATMENT PROGRAM

BEFORE: FERRIC CHLORIDE + SOLID CATIONIC FLOCCULANT

AFTER: to-clust QUERCUS + to-clust float

COMPARATIVE to-clust vs FERRIC CHLORIDE

	FERRIC CHLORIDE	to-clust
COAGULANT DOSAGE (ppm)	1100	700
FLOCULANT DOSAGE (ppm)	12	8
COAGULANT REDUCTION APPLIED	70%	
FLOCCULANT REDUCTION APPLIED	33%	

Adintus
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