

OQEMA



Q-TAN

A vegetal biodegradable coagulant
for sustainable water treatment

GROUP



CRAFTING
SUSTAINABLE
SOLUTIONS

Q-TAN

A high quality, sustainable coagulant for the water treatment industry. Derived from the naturally occurring tannins from the Black Acacia (*Acacia Mearnsii*) bark, it enhances water clarity whilst promoting circular economy.

APPLICATIONS

Q-TAN is a versatile coagulation and flocculation aid, applicable in wide array of applications. It is particularly effective in those industries where they suffer from high levels of fats, oils, and starches in their wastewater such as the petrochemical, recycling, and food industry.

PERFORMANCE

Q-TAN provides significant environmental gains while offering superior performance to those of conventional inorganic coagulants. It delivers excellent coagulation and flocculation efficiency without altering the pH of the system. This will often result in considerable cost savings by eliminating the need for Sodium Hydroxide. By using Q-TAN you will also benefit from larger and more dense flocs following in a reduction of the amount of sludge produced and ultimately leading to either cost reductions or increased revenues for your sludge disposal.

KEY BENEFITS

- Safe, non-corrosive
- Doesn't add any heavy metals to the system
- Doesn't alter pH of the system
- Effective in a wide range of pH (4.5–10) making operations significantly easier.
- Required dosages are much lower when compared to iron and aluminium salts.
- Sludge generation can be reduced to up to 60 % when using Q-TAN instead of Ferric Chloride or PAC 18.

PRODUCT TABLE

Q-TAN product range consists of two series. Q-TAN 200 series, which features a pure 100% vegetal based active matter and Q-TAN 100 series which contains traces of Aluminium in the formulation to enhance performance in specific applications.

ACTIVE MATTER	Q-TAN 200 SERIES	Q-TAN 100 SERIES
10 %	Q-TAN 210	Q-TAN 110
15 %	Q-TAN 215	Q-TAN 115
20 %	Q-TAN 220	Q-TAN 120
25 %	Q-TAN 225	Q-TAN 125
30 %	Q-TAN 230	Q-TAN 130

INFOGRAPHIC (CO₂ DATA)

In this graph we show our most active product from each series which has the best CO₂ / MT active matter ratio. Data for other products can be made available upon request.

Product	CO ₂ footprint (kg CO ₂ eq./kg)
PAC (18 %)	+ 0,26
FeCL3 (40 %)	+ 0,13
Q-TAN 230	– 0,75 kg
Q-TAN 130	– 0,75 kg

ENVIRONMENTAL BENEFITS

- Negative CO₂ Footprint
- Originates from natural origin which have been extracted from FSC certified Black Acacia trees
- Fully biodegradable product (100 % after 28 days based on OECD 301B test)
- Heavily reduces total sludge generation by increasing the dry matter and biomass ratios of the sludge
- Non-hazardous and non-toxic

Please ask your local contact for further information, specifications and samples or watertreatment.group@oqema.com.