EXCEPTIONAL TREATMENT EFFICIENCY

Tanfloc achieves up to 99% reduction in Total Nitrogen, up to 97% reduction in Turbidity, and up to 94% COD reduction, showcasing outstanding effectiveness in removing key pollutants from wastewater. This makes it ideal for any industry facing stringent environmental compliance requirements.

SIGNIFICANT COST SAVINGS

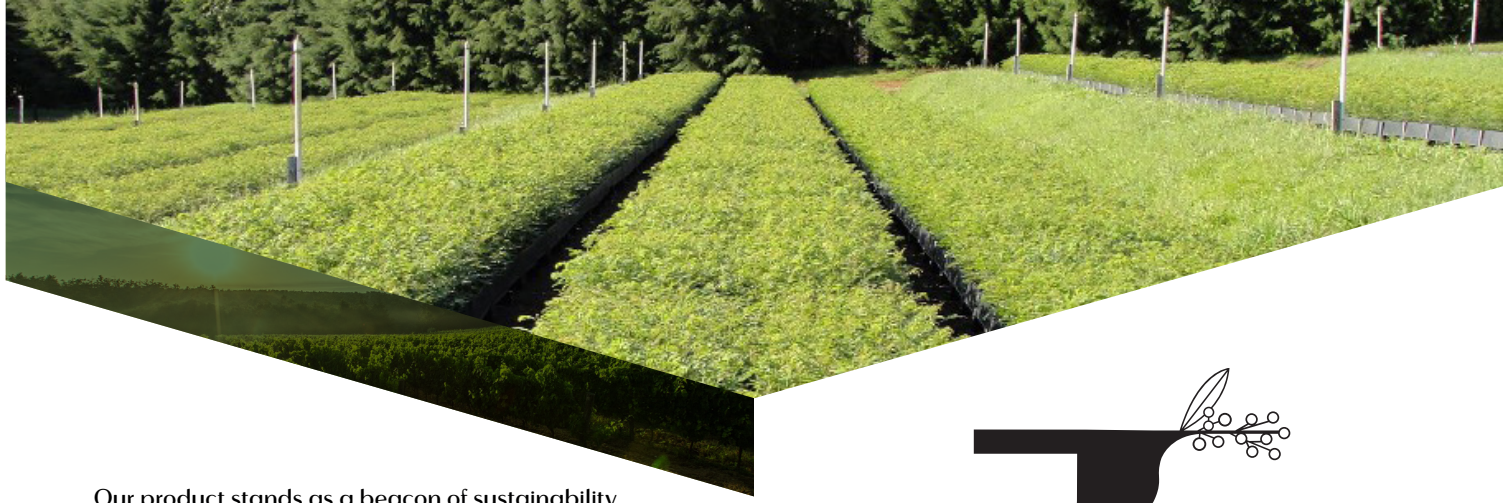
With Tanfloc, industries can experience up to 40.7% in total treatment cost savings (chemicals, labour, sludge disposal, maintenance, energy savings). This positions Tanfloc as a cost-effective solution that not only meets but exceeds environmental and operational efficiency standards.

ENVIRONMENTAL SUSTAINABILITY & CARBON NEGATIVE

Tanfloc is a carbon-negative product, meaning its use can help reduce the carbon footprint of wastewater treatment processes compared to traditional inorganic chemicals. The product is biodegradable, which can be safely used in agriculture or biodigested to produce biogas, thus promoting circular economy practices.

SAFE FOR OPERATORS

The natural, plant-based formulation of Tanfloc is not only less corrosive but also non-toxic, ensuring safer working conditions for operators. This aspect of Tanfloc significantly reduces the risks associated with handling and storing harsh chemicals, making it a safer and more sustainable choice for wastewater treatment.



Our product stands as a beacon of sustainability, offering a viable, impactful alternative to conventional chemicals. By partnering with us, companies can confidently stride toward a future where every decision and action contributes positively to our planet's health and their own sustainable legacy.

TESTIMONIAL

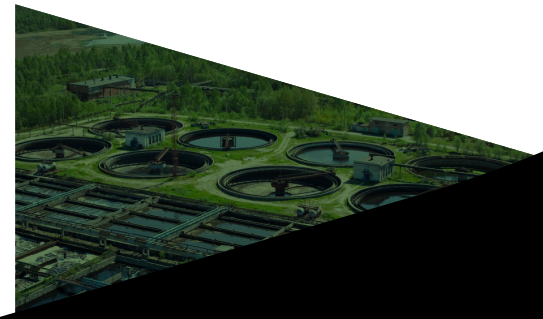
"Transitioning to the use of Tanafloc has yielded several significant benefits for our business across multiple facets whilst continuing to provide adequate treatment outputs compared to conventional water treatment chemicals. Tanafloc, with its non-corrosive properties, presents a safer chemical solution for water treatment, enhancing both staff safety during handling and fortifying our operational infrastructure. By mitigating the risk of corrosion to our wastewater systems, we've effectively extended preventative maintenance intervals, thereby reducing operational costs associated with various wastewater treatment assets.

Given the demonstrated safety, quality, and multifaceted advantages of Tanafloc, we strongly recommend other industrial wastewater treatment facilities trialling this product. Its efficacy presents a compelling case for adoption, promising substantial benefits across diverse operational landscapes."

– Statement from the Environmental Manager of a WA processing facility

TANAFLOC

black wattle extracts



Revolutionising the Australian and New Zealand wastewater treatment markets with a singular, eco-conscious product that challenges the status quo.

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Tanafloc is a tannin-based flocculant /coagulant that can be suitable for wastewater treatment applications. Developed from acacia tree bark, it is designed as an organic replacement for metal-based alternatives that use aluminium, iron or other heavy metals.

The renewable product is **100% biodegradable**, does not contribute to the disposal issues of sludge and in many cases enables orqanic-based sludge to be composted or disposed of onto farm pasture. The product will completely and quickly digest during biological treatment and can be used as theprimary coagulant or as an auxiliary flocculation agent.

Tanafloc works by neutralising charges, destabilising them, producing floccules, and causing their sedimentation. It does not consume the environment's alkalinity, therefore it does not change the pH of the water being treated. This makes the use of alkalising agents unnecessary in many cases.

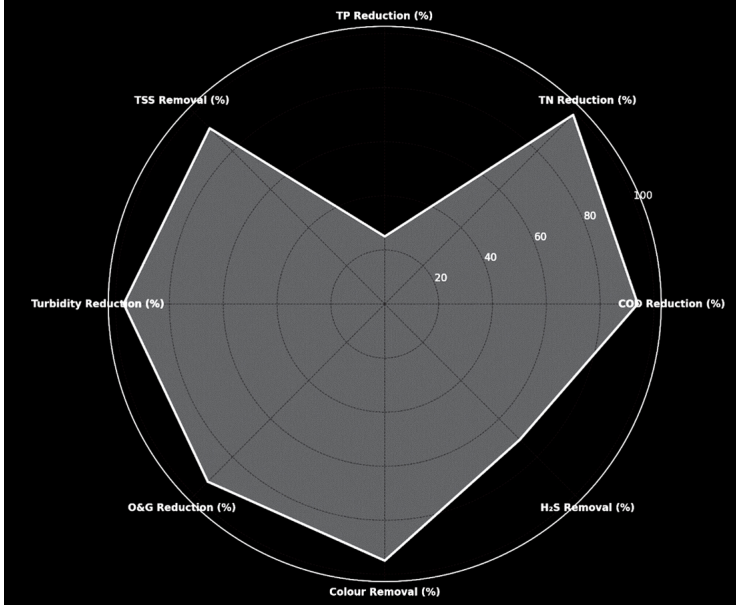
FOCUS AREAS

- WATER UTILITIES
- AGRI INDUSTRY
- WASTEWATER TREATMENT
- DAIRY & CATTLE INDUSTRY
- MINING INDUSTRY
- FOOD & BEVERAGE INDUSTRY

SUSTAINABILITY

Our company has been reinforcing our commitment to environmental respect and care for over 70 years.

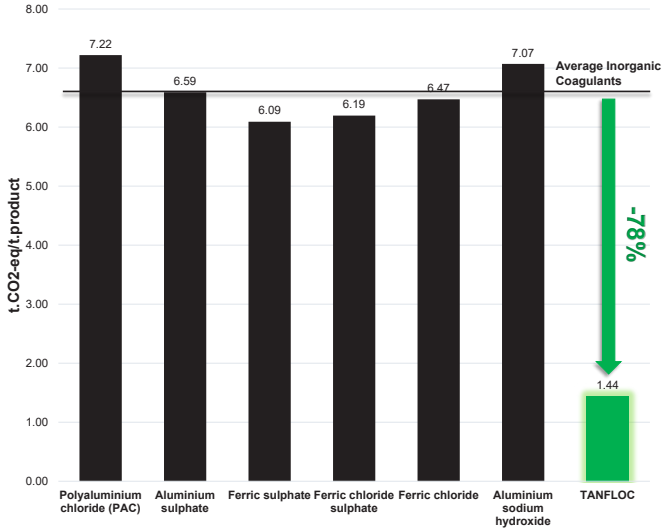
We manage a forest area of more than 70,000 hectares, dedicated to developing and respecting diverse ecosystems. Together with all its industrial activities, has a positive Carbon Footprint, as verified in its Inventory of Greenhouse Gas Emissions, issued by the BVQI certifier, and in the development of its activities, the company sequesters 6 tonnes of CO2e for each ton of CO2e emitted.



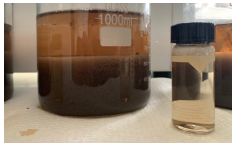
PEAK PERFORMANCE OF TANAFLOC ACROSS INDUSTRIES – THE "HEART CHART"

The quality of the products and services of Tanafloc has international recognition, ratified by the total acceptance in the markets in which the company operates.

TOTAL CO_2 EMISSIONS PER TONNE OF COAGULANT/FLOCCULANT



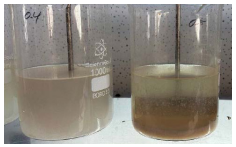
EXAMPLES OF CASE STUDIES ACROSS INDUSTRIES



Red Meat Industry

Application - Wastewater treatment – 128 m3/h; BOD 1660 mg/L; COD 3740 mg/L; TN 240 mg/L; TP 42.2 mg/L

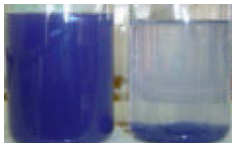
Results - 92% TSS removal; 42% TN removal; 23% TP removal; 72% BOD removal.



Dairy Industry - Australia

Application - Wastewater treatment – 50 m3/h; COD 2900 mg/L; Turbidity 555 NTU; TDS 2200 mg/L; O&G 53 mg/L.

Results - 38% COD, 99% TN, 25% TP, 76% Turbidity, 40% TDS, 60% Oil & Grease removal.



Textile Industry

Application - Wastewater Treatment – 75m3/h; 1123 mg/L COD; 349 Colour (Pt/Co); 10.5 pH

Results - 79% COD Reduction; 95% Colour removal.

Sugar and Ethanol

Application - Sugar cane Juice Clarification – ICUMSA Colour between 10000 and 15000

Results - <200 ICUMSA Color Clarified