

FISH PRESERVATION



Borregaard LignoTech is one of the world's leading suppliers of high performance additives and ingredients to the animal feed industry.

Efficient preservation, reduced corrosion

SoftAcid®
Protecting Values

SoftAcid Aqua E is a very efficient preservative for the fish meal industry, where species like blue whiting, capeline and sandeel are raw materials for fish meal production. SoftAcid Aqua E inhibits bacterial growth and delays the degradation of fish. The result is reduced total volatile nitrogen (TVN) and higher value products delivered to the fish-meal factory. Furthermore, the product will also take better care of your production equipment than other products on the market.

SoftAcid Aqua E is a combination of acetic acid and lignosulphonic acid, which controls the pH and reduces corrosion. Hence, SoftAcid Aqua E has all the well-known advantages from acetic acid, combined with reduced corrosion and safer handling.



Brands

- SoftAcid Aqua E

Benefits

- Increased durability of the raw material (fish)
- Reduced corrosion rate



Scan for more information

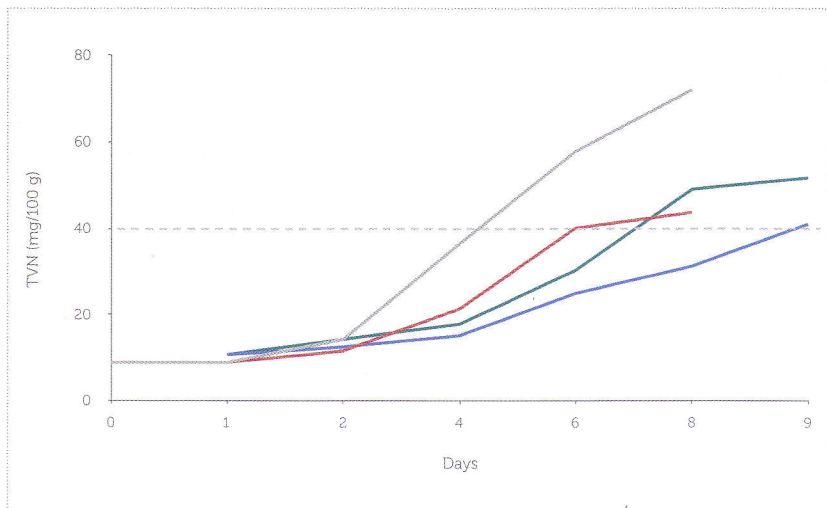


**Borregaard
LignoTech**

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PERFORMANCE OF SOFTACID AQUA E

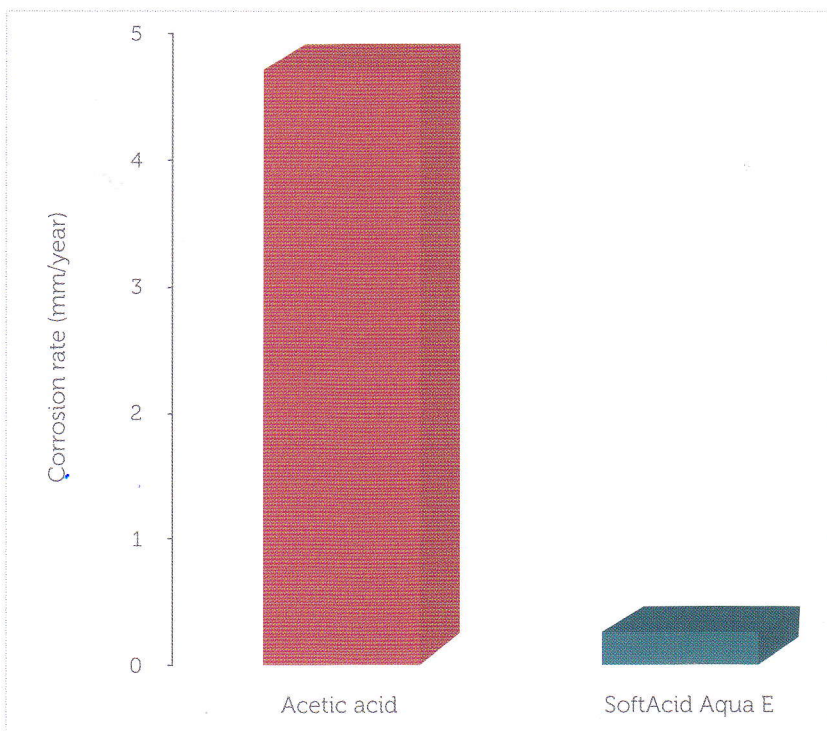
Preserving trials were performed by Fiskeriforskning (The Norwegian Fish Research Institute) to evaluate the conserving effect of SoftAcid Aqua E on fresh Blue Whiting. A competitor product (potassium diformate + formic acid) and a control sample with no added preservative were included for comparison.



● CONTROL ● COMPETITOR 0.33%
● SOFTACID AQUA E 0.33% ● SOFTACID AQUA E 0.18%

- The results for TMAO and TVN as quality criteria showed that both SoftAcid Aqua E and the Competitor (potassium diformate + formic acid) were able to keep the quality of the Blue Whiting. The Competitor was able to preserve the quality for 2 additional days, while SoftAcid Aqua E was able to preserve the quality for 4 additional days compared to the Control.
- Minor lipid oxidation was registered in the Blue Whiting.
- SoftAcid Aqua E also showed an antioxidant effect on unsaturated fatty acids.

ENVIRONMENTAL ADVANTAGES OF SOFTACID AQUA E



SoftAcid Aqua E is significantly less corrosive on carbon steel than acetic acid. Experiments performed by Borregaard LignoTech R&D showed that the corrosion rate was reduced by 96% with SoftAcid compared to Acetic acid.