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Inhibition of bacterial growth of IPS Kalyxx Blue Line 1/2"

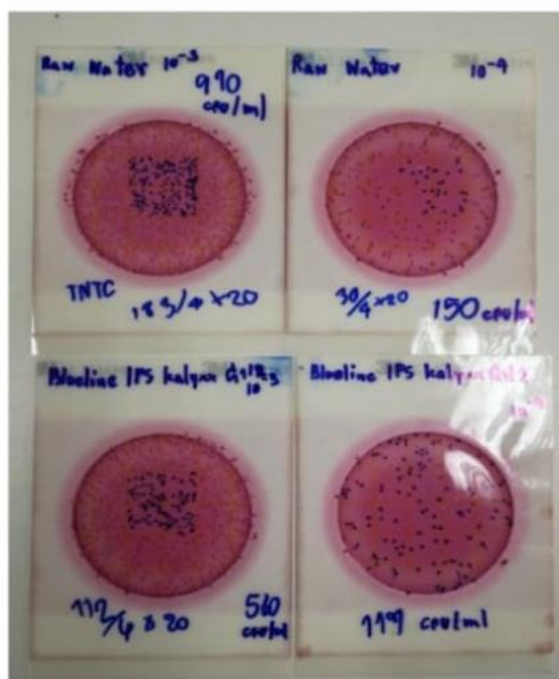
Report date November 11th, 2019

Test date November 5th, 2019

Time	Water mixed Bacteria	Water mixed Bacteria with IPS Kalyxx Blue Line 1/2"	% Efficiency
0 hour	214,000	225,000	
24 hours	910,000	560,000	38.46

Method : AOAC official methods sm (991.14 coliform and Escherichia coli count in food, dry rehydratable film)
incubate petrifilm AC plates 48 + 3 h at 35°C + 1°C

Picture



Analyst

Ms. Tidarat Boonsri

After using of the IPS was reduced bacterial content of "escherichia coli" by 38,46%. This kind of bacteria is one of the most common bacteria in the water and has different forms (https://cs.wikipedia.org/wiki/Escherichia_coli) from almost harmless to that one that causes serious health problems(<https://www.prozeny.cz/clanek/e-coli-o157-h7-jak-se-projevuje-a-jak-se-proti-ni-branit-55969>).