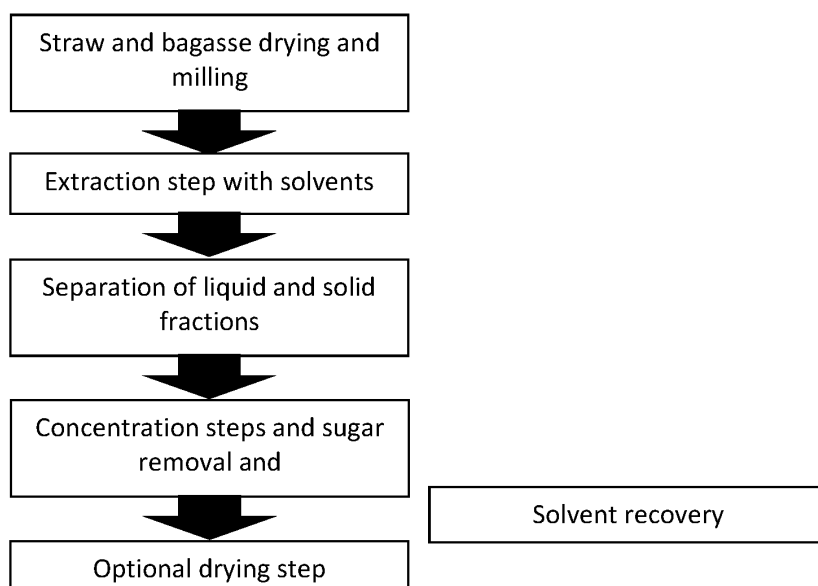


**Fig. 1**

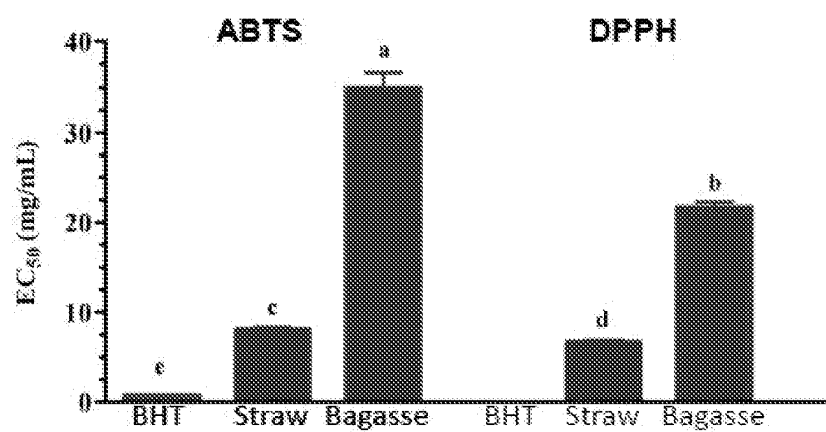


Fig. 2A

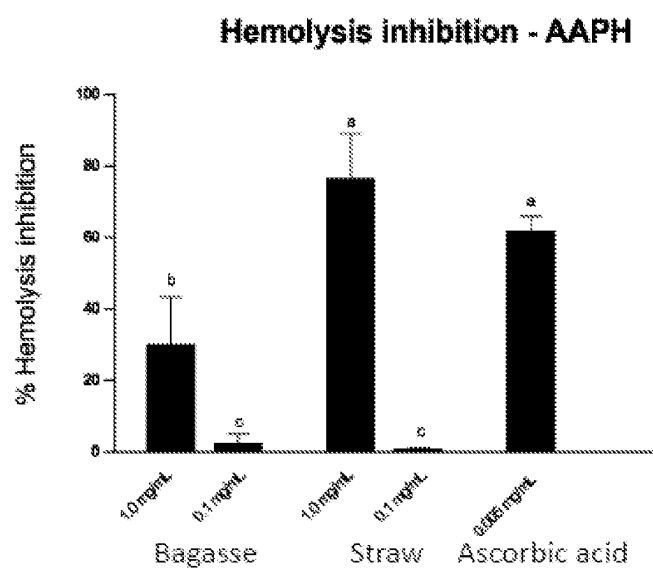


Fig. 2B

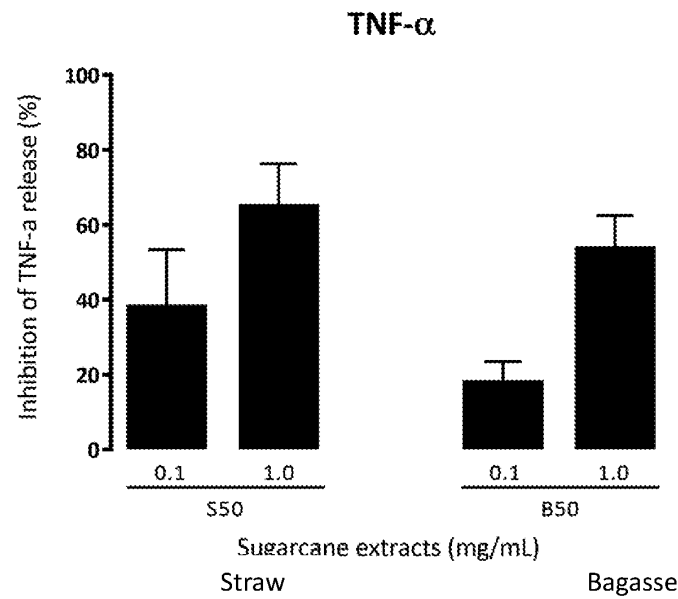


Fig. 3A

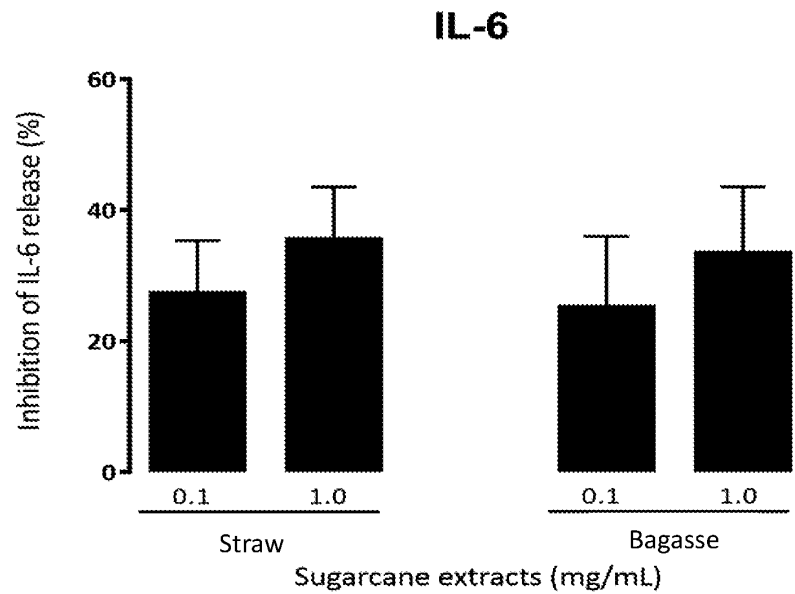


Fig. 3B

5-LOX inhibition

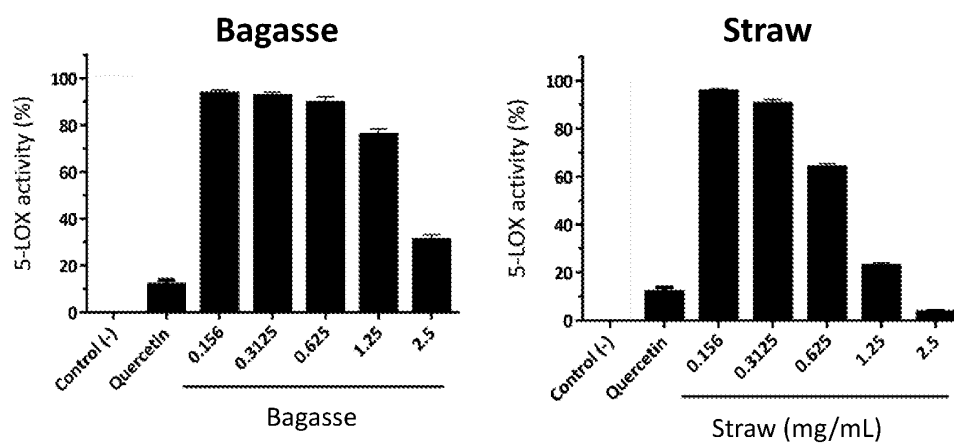


Fig. 3C

COX-1/2 inhibition

Enzyme	Bagasse	Straw	Reference inhibitor
COX-1	74.31%	88.97%	75.89%**
COX-2	83.70%	91.44%	87.05%***

*2.5 mg/mL; **SC-560 - 3.14 μ M; ***Dup-697 - 2.86 μ M

Fig. 3D

Tyrosinase

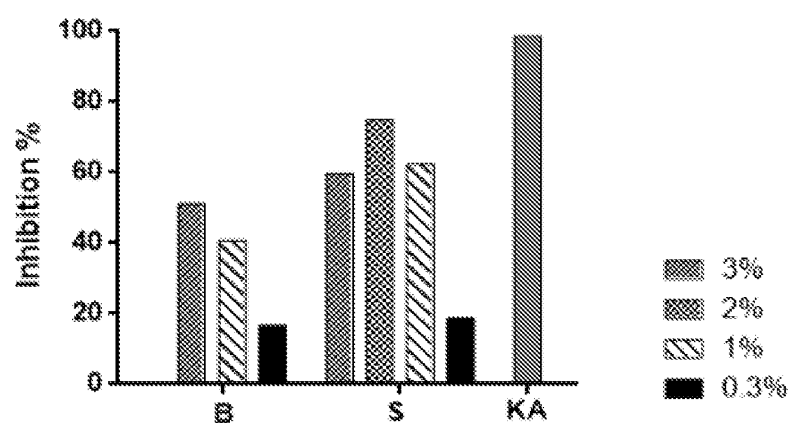


Fig. 4A

Collagenase

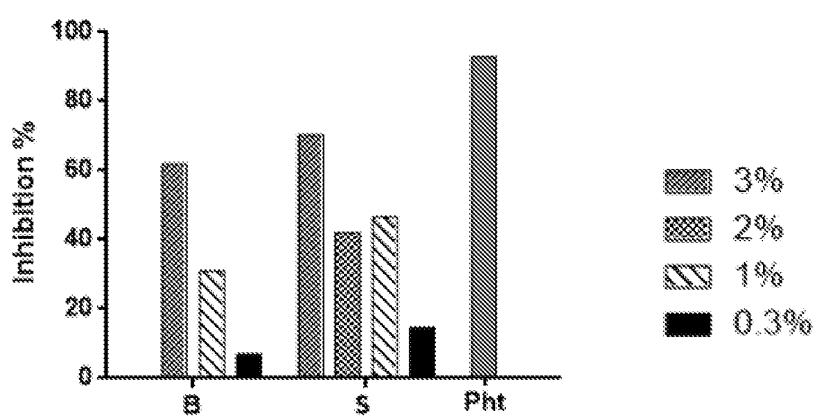


Fig. 4B

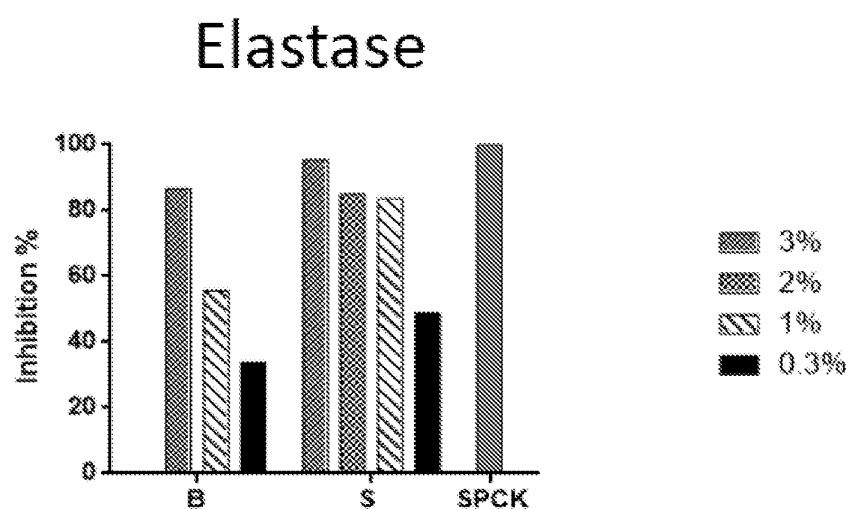
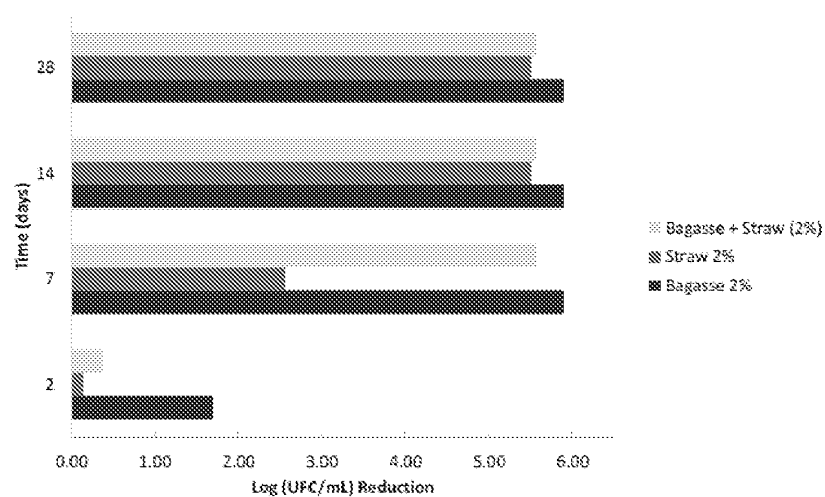


Fig. 4C

Antimicrobial activity – preservative potential

Staphylococcus aureus ATCC 6538



Preservative challenge test (EUROPEAN PHARMACOPeia 7.0 5.1.3. Efficacy of antimicrobial preservation)

Fig. 5A

Antimicrobial activity – preservative potential

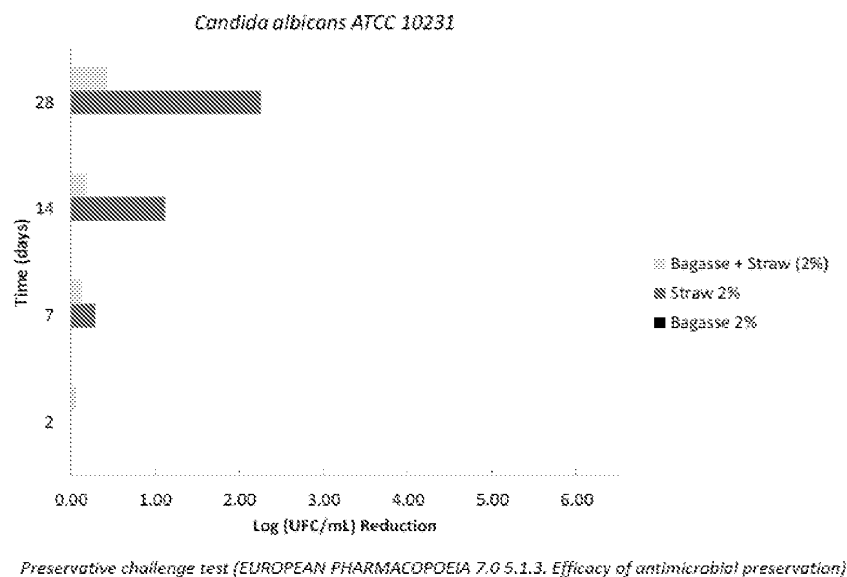


Fig. 5B

Antimicrobial activity – preservative potential

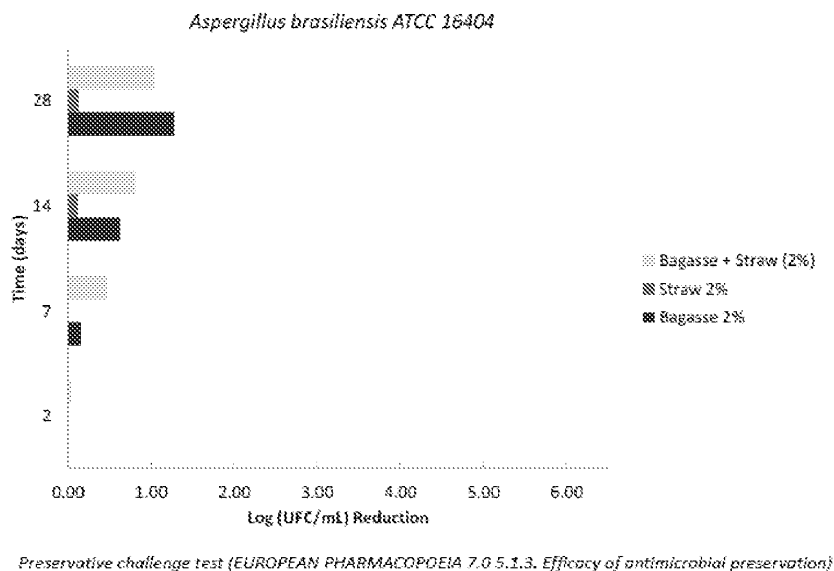


Fig. 5C