

Test:

- Weigh 5 concentrations of powder: 1 g; 0.75 g; 0.5 g; 0.25 g and 0.1 g
- Set down 3 ml of nutritive broth in each test tube with powder
- Add 3 ml of microorganism broth (approximately 10^6 /ml)
- Incubate 24 h at 37°C for bacteria and 24 h at 30°C for fungi

Interpretation:

The observation of clear test tube (lack of culture with different micro organisms) is impossible, because of the colour of powder.

Each test tube is isolated on nutritive agar and incubated in same conditions of test.

Results :

	Control	1 g	0.75 g	0.5 g	0.25 g	0.1 g
<i>Pseudomonas aeruginosa</i>	10^6 /ml	0	0	0	0	+++
<i>Staphylococcus aureus</i>	$1.1.10^6$ /ml	0	0	0	0	00

Conclusion :

The minimal inhibition concentration is:

Pseudomonas aeruginosa: 0.25 g / 6 ml, dilution: 4.2 %

Staphylococcus aureus: 0.1 g / 6 ml, dilution: 1.7 %

	Témoin	1 g	0,75 g	0,5 g	0,25 g	0,1 g
Candida albicans	$10^4/\text{ml}$	0	0	0	0	0
Aspergillus niger	$3.10^4/\text{ml}$	0	0	+	++	+++

Conclusion :

La concentration minima inhibitrice est de :

Candida albicans : 0,1 g / 6 ml, soit le produit dilué à 1,7 %

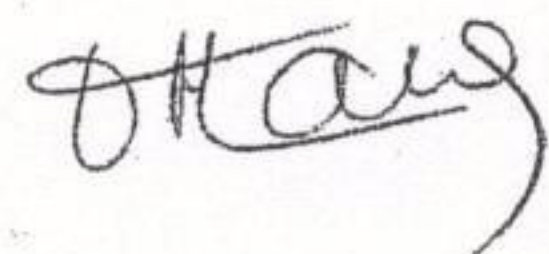
Aspergillus niger : 0,75 g / 6 ml, soit le produit dilué à 12,5 %

Conclusion générale :

La concentration minima inhibitrice de la poudre est de 12,5 % pour les 4 souches testées.

Responsable technique

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Chef de service

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