



LABORATOIRE  
**T.E.C.**

# TESTS D'EFFICACITÉ INSECTICIDES depuis 1986

## INSECTICIDE BIOASSAYS SINCE 1986

### QUALITY CONTROL

Report n° 2260-TCT50-Lot 4020272 (Exp 04/21) – on cotton

**Type of trial :** TRAPPING COVER TEST

**Protocol:** Dr Maillieux' methodology with the following deviation: instead of using a Berlèse system, the experimenter retrieved the mites in the cover (Acar'up standard grey cover) by exposing it on a heating plate at 40°C during 30 minutes (Bischoff's method, as described in the NF G 39011 standard), so the mites will go up and will be stucked on a black sticky paper placed on the top of the device. Counts were done 1 hour after the treatment and the exposure of the cover onto the infested simulated mattress.

*Note : the simulated mattress was 3 months preinfested*

**Sample:** « Acar'up » Batch 4020272 Process order 40021499 – Exp: 04/21, using a white 100% 100 g/m<sup>2</sup> cotton – Sample received the 14.01.2021 from "PURNA". Trial on 1 container ("Begin 11/01/2021 13:31").

**Summary of results** (the raw data are in Appendix).

Treatment on the cover	% of mites on the cover after 1 hour
Nothing	0.9
Water	2.1
<b>Test sample</b>	<b>93.9</b>

The counts in the serie without treatment and treated with water validated the trial.

### CONCLUSION

*In the conditions of this trial, with the provided sample, the mites' strain and the methodology used,*

the sample « Acar'up Batch 4020272 Exp:04/21, using a white standard cotton, has proved a 94% efficacy effect towards the house dust mite *Dermatophagoides pteronyssinus*.

*Work performed for:*

**Acar'Up SPRL**

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Report n° 2260-TCT50-Batch4020272 Exp0421/0917R

AGREMENT  
ESSAIS OFFICIELLEMENT  
RECONNUS  
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RECHERCHE

RAW DATA

% of mites on the cover after 1 hour

Treatment on the cover	Replicate	Container 1			Mean
Test sample	1	91			91,0
	2	96			96,0
	3	95			95,0
	4	92			92,0
	5	93			93,0
	6	93			93,0
	7	98			98,0
	8	94			94,0
	9	95			95,0
	10	92			92,0
	<b>mean</b>		<b>93,9</b>		

Treatment on the cover	Replicate	% of mites on the cover after 1 hour
Nothing	1	0
	2	1
	3	1
	4	1
	5	2
	6	2
	7	1
	8	0
	9	0
	10	1
	<b>mean</b>	
Water	1	1
	2	3
	3	2
	4	2
	5	1
	6	2
	7	1
	8	2
	9	3
	10	4
	<b>mean</b>	