防蟎技術

Anti-mite Test

- TEC　防蟎檢測 (吊牌)
- IDEA 過敏檢測
- Oeko-Tex 檢測
- OMS-FAO 檢測
- SGS 檢測

▶ 原廠及公證單位檢測
▶ 原廠核發吊牌

BUSINESS AGREEMENT (C)

Between: ***BREYNER*** – 685 rue Juliette Récamier, ZI Chapotin, 69970 CHAPONNAY, FRANCE
And: ***B.GREEN TECHNOLOGY Co. Ltd*** - N°40, Ln.76, Anxi St., Xiushui Township, Changhua County 504, TAIWAN } **the Parties**

WHEREAS:

BREYNER markets various speciality products intended for the treatment of structured textiles specifically providing them anti dust mite qualities and, is owner of the trademark: **GREENFIRST®**.
B.GREEN is interested in manufacturing its items with textile materials receiving beforehand a treatment finalized and marketed by ***BREYNER***. ***B.GREEN*** is further interested in using the ***BREYNER***'s trademarks, and this is the purpose of this agreement.

DEFINITIONS

Treatment: This is an anti dust mite treatment produced and sold by ***BREYNER*** and named **GREENFIRST® anti dust mite**.
Trademark: This is the verbal and figurative trademark named **GREENFIRST® anti dust mite,** registered by ***BREYNER*** →
Converters: Suppliers of fabrics treated with the Treatment and approved by ***BREYNER***.
Products: Items manufactured by ***B.GREEN*** that may be produced using Treatment and Trademark: **PILLOW**

ARTICLE 1: PURPOSE OF AGREEMENT

The purpose of this agreement is to set down the non-exclusive terms under which ***B.GREEN*** may purchase textile materials which have been treated with Treatment for manufacturing its Products and, as part of the marketing, use the Trademark.

ARTICLE 2: DURATION

This Agreement will enter into force as from the signing of this document for an initial one year period. At the end of this initial period, the Agreement will be automatically extended for an additional one-year period, unless terminated by either of the parties by registered letter with acknowledgement of receipt three months prior to expiration of the period, and so on.

ARTICLE 3: MODALITIES

3.1 – *B.GREEN* undertakes to buy necessary textiles materials for manufacturing its Products. It is his responsibility to check that each item entering into the composition of its supplies have actually been treated with Treatment from Converters approved by ***BREYNER***. The list of these Converters is available on request.
3.2 – *B.GREEN* will have to require a Treatment conformity certificate having received the conformity visa of ***BREYNER*** (appendix 1), from his Converter for each lot of supply bought. ***B.GREEN*** must be able to perfectly track its batches of manufactured Products and the batches of the various raw materials entering into their composition.
3.3 – *B.GREEN* shall comply with the textile quality standards set down by ***BREYNER*** (charter in appendix 2). In the event of failure by ***B.GREEN*** to comply with this obligation, Products will be non-compliant, unless prior written consent of ***BREYNER***.
3.4 – *B.GREEN* undertakes to sell Products only on the following territories: **TAIWAN and EUROPE**.
3.5 – *BREYNER* could proceed to occasional checkings of Products. ***B.GREEN*** undertakes that the samples taken by ***BREYNER*** will be representative of its usual productions. In case of non-compliance, ***BREYNER*** will terminate agreement according to the article 5.1, independently of interest compensations.
3.6 – *B.GREEN* shall display a label referring to Treatment in each Product. These labels must be purchased only from ***BREYNER*** by ***B.GREEN*** (Order Form+ Prices appendix3). In the event termination of this Agreement, ***B.GREEN*** will not be allowed to display ***BREYNER***'s labels on its Products anymore. In case of ***BREYNER's*** labels stock remaining, ***B.GREEN*** undertakes to either destroy it or return it to ***BREYNER***. If the return takes place three months prior to expiration of the present agreement and if labels are in excellent condition, ***BREYNER*** commits to buy labels back to ***B.GREEN*** at the same price charged before by ***BREYNER*** to ***B.GREEN.***
3.7 – *B.GREEN* may use the Trademark to identify its Products and safeguard the brand image attached to Trademark. In collaboration with ***BREYNER***, ***B.GREEN*** will take part in the distribution and promotion of the Trademark. No advertising, specifically sales brochures, advertisements, publicity, etc. may be made without prior agreement by ***BREYNER*** in writing.

ARTICLE 4: SECRET AND CONFIDENTIALITY – *INTUITU PERSONAE*

4.1 – The terms of this Agreement and its appendices are deemed as confidential and as such, may not be published or communicated to any non-authorised third parties (including its employees, advices and assigns). ***B.GREEN*** shall refrain from claiming industrial property rights over such communicated confidential information. ***B.GREEN*** shall specifically refrain from directly or indirectly registering any patent, trademark, model or other based on such information. ***B.GREEN*** shall refrain from analysing Treatment. No disclosers that may become legally required shall be made without requesting authorisation from ***BREYNER***.
4.2 – *B.GREEN* shall refrain from using communicated confidential information in any reproduction, use, operation or representation, whether direct or indirect, as long as a disclosure authorisation agreement has not been entered into by the parties.
4.3 – This Agreement is being entered into on an *intuitu personae* basis in favour of ***B.GREEN*** and may not be transferred without express agreement in writing from ***BREYNER***. Any change of Capital will be an obstacle to the continuation of this agreement.

ARTICLE 5: VARIOUS CLAUSES

5.1 – Any violation of modalities of the agreement or General Terms and Conditions will result in the termination of this Agreement after formal notice has been given by certified letter with return receipt requested and has gone unheeded for a period of one month, excepted in case of payment default provided in the General Terms and Conditions, in which case deadline and modalities of the Art.11 b) will be applied for the termination of the sale and the Agreement.
5.2 – This Agreement is governed under French law. Any dispute occurring in connection with the performance or interpretation or termination of this Agreement will be referred to the Commercial Court of LYON, France.
5.3 – The contractual clauses prevail over General Terms and Conditions (verso), excepted element in 5.1 hereabove.

APPENDICES :

APPENDIX 1 Conformity Certificate	APPENDIX 2 : Textile Quality Standards	APPENDIX 3: Labels Form + prices

Drawn up in duplicate, including one copy for each of the parties. Executed at Chaponnay, 24TH September 2019

BREYNER
BENOIT NYS

Breyner®
685 rue Juliette Récamier
ZAC du Chapotin
69970 CHAPONNAY

B.GREEN
CHEN YU CHU

Cher yu chu

明根股份有限公司

GENERAL CONDITIONS OF SALE

ARTICLE 1 - APPLICATION OF THE GENERAL CONDITIONS OF SALE - OPPOSABILITY

The present general conditions of sale are systematically sent or given to each buyer to enable him to place an order.
Consequently, the fact of placing an order implies for the buyer to adhere totally and without any reserve to these general conditions of sale, at the exclusion of any other documents such as leaflets, catalogues, issued by the seller and which only have an indicative value. No specific condition can, save the seller's formal and written acceptance prevail against the general conditions of sale. Such specific conditions could ensue from the definite, express and written acceptance, by the seller of Incoterms foreseeing others modalities and conditions than those planned in the present general conditions of sale, in which case of such Specific Incoterms will prevail. Any conflicting condition opposed by the buyer shall, therefore, failing express acceptance, not be opposable to the seller, whatever the moment he may be informed thereof. The fact for the seller not to prevail at one given moment from the general conditions of sales cannot be construed as equal to a waiver to prevail later from any of the said conditions.

ARTICLE 2 - OFFERS AND ESTIMATES

Our offer are understood without any commitment save a sale. Any order, even taken by our representatives or employees, binds us for good only after written acceptance by our Management. Confirmation can also result from the dispatch of the products. In case of partial non performance of an order, confirmation is valid only for the products dispatched. Our estimates are only approximate and can be increased, without any warning on our side, by the price of all the services or supplies which could be necessary in the interest of out clients, during the work.

ARTICLE 3 - CHANGE IN THE GENERAL CONDITIONS OF SALE

The orders are final only when confirmed in writing. The seller is bound by the orders taken by his representatives or employees only under reservation of written and signed confirmation. Because of a condition of shortage, the supplier shall answer the orders depending on their arrival order and within the limits of his availabilities.
The benefit of the order is personal to the buyer and cannot be transferred without the seller's consent.

ARTICLE 4 CHANGE IN THE ORDER

Any change or resolution of order requested by the buyer shall be taken into account only if it arrived in writing before dispatch of the products.
If the buyer does not accept this change or resolution, the deposits paid can be returned in value goods.

ARTICLE 5 - DELIVERY-SUBJECT OF THE DELIVERY

The seller reserves form himself the right to bring, at any time any change he deems useful to his products and, without obligation to alter the products previously delivered or in process of an order, he reserves for himself the right to alter without any prior notice the models defined in his leaflets or catalogues.

ARTICLE 6 - DELIVERY

a) Modalities
The delivery is done either by direct handing over of the product to the buyer, or by simple notice of availability, or by delivery to a sender or a carrier in the buyer's premises.
The buyer undertakes to take delivery within thirty days after the notice of availability. Once this time limit has expired, the seller may consider that the order is withdrawn and the sale unilaterally cancelled by the buyer.
b) Time-limits
Deliveries are carried-out only according to the availabilities and in the arrival order of the orders. The seller is entitled to carry-out the deliveries in a global or partial manner. The delivery time-limits are stated as exactly as possible but depend on the supply and seller's carrier possibilities.
Exceeding the delivery time-limit cannot give rise to damages, deduction or cancellation of the orders in process. However, if one month after a formal notice remaining unsuccessful, the product has not been delivered , for any reason apart from a case of force majeure, then the sale may be resolved at the request of one or the other party; the buyer may get the return of his deposit at the exclusion of any other compensation or damages.

In particular are considered as case of force majeure releasing the seller from his obligation to deliver: war, riot, fire, strikes, accidents, the impossibility for himself to obtain supplies.... The seller shall keep the buyer informed timely, on the cases and events afromentioned.
In any case, delivery within the time-limits can occur only if the buyer has met his obligations towards the seller whatever the cause.
c) Risks
The products travel at the risks of the addressee. Any claim for loss, harm, damage to the goods in transit ensues from the liability of the addressee who must establish all the necessary reports and confirm his reservations by extra-judicial deed or by registered letter sent to the carrier within three days after receipt of the goods.

ARTICLE 7 - RECEIPT

Without prejudice to provisions to take towards the carrier, the claims about the apparent defects or the lack of compliance of the product delivered with the product ordered or with the dispatch note, must be formulated in writing within eights days of the arrival of the products.
The buyer shall have to give all justification as to the reality of the reported defects or abnormalities. He shall have to give the seller all opportunity to carry-out the report of these defects and to cure them. He shall abstain from intervening himself or to have a third party intervene for this purpose, for the products delivered conditioned, the weights and measures on departure proves the quantities delivered.

ARTICLE 8 - RETURNS

a) Modalities
Any return of product must be the subject of a formal agreement between the seller and the buyer. Any product returned without this agreement shall be kept at the disposal of the buyer and shall not give rise to the issue of a credit note. The expenses and risks of the return are always chargeable to the buyer.
The goods are returned together with a return slip to fix on the parcel and must be in the condition in which the supplier has delivered them.
b) Consequences
Any taking back accepted by the seller shall entails the issue of a credit note to the buyer's benefit, after qualitative and quantitative checking of the returned products; returns which are not in compliance with the procedure herein above, shall be sanctioned by the loss for the buyer of the deposits he will have paid.

ARTICLE 9 - PRICES

Prices are given before tax, without any commitment, and can vary without notice. However, the products are supplied at the price in force at the time of signing of the order. Prices are understood as net, departure, before tax, on the basis of the tariffs given to the buyer.
Any tax, levy, right or other provision to be paid in application of the French regulations or that of the country of import or of transit shall be chargeable to the buyer. Save written agreement of the supplier, the costs of transport are always chargeable to the buyer.

ARTICLE 10 - INVOICING

An invoice is established for each delivery and delivered at the time there of save if a delivery slip has been issued, in which case a summarizing invoice, referring to all the delivery slips issued, shall be established every eights days.

ARTICLE 11 - PAYMENT

a)Modalities
Payment must done in the same currency as the currency used in the invoices.
Except as otherwise agreed upon payments shall be done cash, upon receipt and without discount.
In case of deferred payment or at due date, a payment in the meaning of the present articles is constituted, not by the simple handing over of a trade paper or a cheque implying an obligation to pay but the irsettlement at the agreed date.
b)late payment or failure
In case of late payment, the seller may suspend all the orders in process, without prejudice to any other mean of action.
Any sum unpaid at the due date appearing on the invoice leads to the application of penalties of an amount equal to five times the rate of legal interest. However, according to article 1230 of the Civil Code, these penalties shall be payable only after receipt of a formal notice by registered letter with acknowledgement of receipt. The amount of these interests for late payment shall be ipso jure charged on any discount, rebates or reduction due by the seller.
In case of failure to pay, forty eight hours after an unsuccessful formal notice, the sale shall be cancelled ipso jure if the seller wants to and he will be able to require, in interim ruling, the return of the products without prejudice to any other damages. The resolution shall hit not only the concerned order but also all the unpaid previous orders whether delivered or in process of delivery and whether their payment has fallen due or not.
In case of payment by trade paper, the failure or return of the paper shall be considered as a refusal of acceptance comparable to failure of payment. Likewise, when the payment is by instalments, the lack of payment of one instalment only shall lead to the immediate payability of the entire debt, without formal notice.
In all the aforementioned cases, the sums which would be due for other deliveries, or for any other reason, shall immediately become due if the seller does not choose the resolution of the corresponding orders.
The buyer shall have to reimburse all the expenses caused by the contentious recovery of the sums due, including the fees of ministerial officers.
In no case, can payments be suspended or be the subject of any compensation without the prior agreement in writing of the seller. Any partial payment shall be ascribed at first to the non privileged part of the debt, then on the sums the payability of which is the eldest. In accordance with the twelfth paragraph of article L. 441-6-I of the French Commercial Code, the amount of the basic allowance for collection fees is set to 40 Euros.
c)guarantees requirement or settlement
Any deterioration of the buyer's credit, can justify of guarantees requirement or cash payment or by drafts at sight, before the performance of the received orders

12 - TRANSFER OF RISKS

The transfer of risks over the products, even in the case of sale agreed as carriage free, occurs as from dispatch from the seller's warehouses.
The result is, in particular, that the goods travel at the risks of the buyer who must in case of harm, loss or missing items, do all the reservations or exercise any recourse against the liable carriers.

ARTICLE 13 - RESERVATION OF OWNERSHIP

The transfer of ownership of the sold products is subject to full payment by the buyer of the process and its ancillary costs (expenses, interests, etc.) on the due date. Payment is achieved by the final cashing in of the price, the handing over of the bill of exchange or any other title creating an obligation to pay not constituting a payment. In case the payment would not occur within the time-limit provided for, our company reserves the right to take back the products delivered and if it wants it, to cancel the corresponding sales. The return of the products is done in its premises, as from its claim, by registered letter with acknowledgment of receipt, at the buyer's expenses and risks. Our firm is entitled unilaterally to cause the drawing up of an inventory of the unpaid products. The buyer bears the expenses and fees arising from the claim, the inventory and taking back of the products. The buyer is liable for the fall in value compensation fixed at 15% before tax of the price of the products per month or fraction of month of possession since the delivery up to the return. In no case shall the buyer be able to resale the products bought before the payment of the price, save the buyer's prior express authorization. In all cases where the products is resold, the buyer informs the sub-buyer of the existence of the clause of ownership reservation and forwards to our Company, on simple demand, the name and address of the sub-buyer as well as the amount of price still due.

ARTICLE 14 - CLAUSE OF CONFIDENTIALITY

The buyer undertakes not to disclose to third parties the information received from the seller in relation with the manufacturing secret of the sold product. The Client undertakes to keep confidential the documents and information concerning the BREYNER company, whatever their nature, whether economic, technical etc. to which he may have access during the execution of the agreement.

ARTICLE 15 - COMPETENCE - CONTESTATION

The governing law shall be the French law.
French Courts shall have sole competence in case of dispute of any nature or contestation related to the forming or execution of the order, and more specifically the courts of Lyon unless the seller prefers referring to another competent court. This clause applies even in the case of interim ruling, incidental plea demand or plurality of defendants or introduction of third parties and whatever the mode and modalities of payment without the clauses allocating Jurisdiction which may exist over the documents and buyers being in capacity of putting an obstacle to the application of the present clause.

Signature :

Chen yu Chy

APPENDIX 1 :

Certificate of conformity

Part 1: for the licensed finisher

Date of the treatment: ...../...../.....

Name of the licensed finisher:

Stamp and signature of the person in charge

Name of the customer:

Composition: ..... (example: 100% cotton, polyester, 50/50, ...)

Fabric construction: .....

Length: ..... m | Width: ..... cm | Metric weight: ..... g/m²

Total weight of treated fabric: ..... kg | Production references: .....

Greenfirst® dosage applied: ..... % of PROFYL .....

Quantity of PROFYL applied: ..... kg | PROFYL batch number applied: .....

Other possible treatments: ..... (softener, whitening agent, antistatic agent, cuendering, ...)

Part 2: for Breyner

Minimum quantity to apply: ..... Kg of PROFYL .....

This certificate shall be returned to BREYNER with a representative production sample

Breyner - Service Conformité
110 Rue des Frères Voisins - ZAC du Chapotin
FR- 69970 CHAPONNAY
Tel : 00 33 (0)4 37 02 24 24
conformite@breyner.fr

Breyner

January 2017

Textile quality standards

Each textile item referring to MICROSTOP®, GREENFIRST® and GREENSPHERE® trademarks must meet the following quality standards

1. Bed linen		
Fabric	**Nature**	**Construction**
100% cotton or polyester microfibre	→	Min. number of yarns/cm = 31/27 (Count (Nm) = 50/50) → Min. number of yarns/cm = 41/28 Count = 75 Den/36F - 150 Den/288F Weight = 80 g/m² minimum

2. Protector pads		
Textile	**Nature**	**Textile item weight (if not coated) (if coated)**
Flannel	100% cotton	Min. 180 g/m² — Min. 130 g/m²
Cotton fleece	100% cotton	Min. 280 g/m² — Min. 150 g/m²
Jersey	100% cotton or polycotton blend (80% cotton min.)	Min. 130 g/m² — Min. 90 g/m²
Terry cloth	100% cotton or polycotton blend (80% cotton min.)	Min. 140 g/m² — Min. 100 g/m²

3. Baby / infant mattresses		
Mattress ticking	**Quality**	**Nature**
	Woven fabric or knitted fabric	Natural fibres or man-made fibres blends (regenerated, semi-synthetic or synthetic fibres)
Treatment	Compulsory of the mattress ticking and recommended of the foam	

	Weight
→	Min. 110 g/m²

4. Adult mattresses		
Mattress ticking	**Quality**	**Nature**
	Woven fabric or knitted fabric	Natural fibres or man-made fibres blends (regenerated, semi-synthetic or synthetic fibres)
Treatment	Compulsory of the mattress ticking and recommended of the foam	

	Weight
→	Min. 130 g/m²

5. Cover		
Textile	**Quality**	**Nature**
	Woven fabric or knitted fabric	Wool 100% polyester (microfiber, fleece)

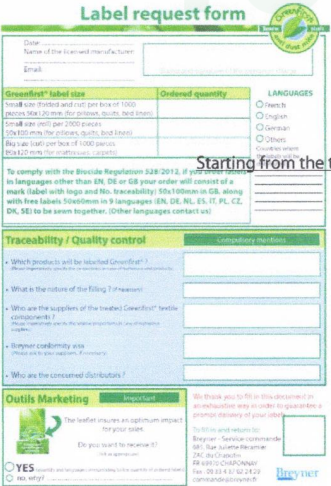
	Weight
→	Mini. 350 g/m² Mini. 200 g/m²

For any quality specification not given in these textile quality standards, exemptions may be granted. Contact us if necessary.

2/2

APPENDIX2 :

APPENDIX 3, regarding labels :


Label request form

Date: .....
Name of the licensed manufacturer: .....
Email: .....

Greenfirst® label size	Ordered quantity
Small size (folded and cut) per box of 1000 pieces (50x120 mm) (for pillows, quilts, bed linen)	
Small size (roll) per 2000 pieces 50x100 mm (for pillows, quilts, bed linen)	
Big size (roll) per box of 1000 pieces 80x120 mm (for mattresses, carpets)	

LANGUAGES
French
English
German
Others
Countries where

To comply with the Biocide Regulation 528/2012, if you select labels in languages other than EN, DE or GB your order will consist of a mark (label with logo and No. traceability: 50x100mm in GB, along with free labels 50x60mm in 9 languages (EN, DE, NL, ES, IT, PL, CZ, DK, SE) to be sewn together. (Other languages contact us)

Traceability / Quality control — Compulsory mentions

- Which products will be labelled Greenfirst® ?
- What is the nature of the filling ? of fasteners ?
- Who are the suppliers of the treated Greenfirst® textile components ?
- Breyner conformity visa
- Who are the consumed distributors ?

Outils Marketing — Important

The leaflet insures an optimum impact for your sales.
Do you want to receive it?
YES
no, why?

We thank you to fill in this document in an exhaustive way in order to guarantee a prompt delivery of your label.

To fill in and return to:
Breyner - Service commande
681, Rue Juliette Récamier
ZAC du Chapotin
FR 69970 CHAPONNAY
Fax : 00 33 4 37 02 24 29
commande@breyner.fr

Breyner

Prices in effect ↓ :

For the both first years following the present signature, *N* and *N+1*:
GREENFIRST® anti dust mite label: 0.30 € / unit

Starting from the third year following the present signature, so that's *N+2*, applicable prices are:

→ For purchases < **5000 labels /year based on *N* and *N+1*:**
GREENFIRST® anti dust mite label: 0.50 € / unit

→ For purchases ≥ **5000 labels /year based on *N* and**
GREENFIRST® anti dust mite label: 0.30 € / unit

SIGNATURE :

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LABORATORY ASSESSMENT OF THE EFFICACY OF A FABRIC TREATMENT TO CONTROL HOUSE DUST MITES

CUSTOMER DEVELOPMENT

B. Green Technology Co., Ltd.
King Feng Shen Enterpise Co., Ltd
Sample: E 1909/51
Material: Lyocell 43% / Polyester 57% (fabric code : B1134-1)
Treatment: 3% PROFYL NK 10
Batch : N 129 188

SPONSOR:

BREYNER
685, rue Juliette Récamier
69970 Chaponnay
FRANCE

OCTOBER 2019

Report # 2480-E190951/0719R

GOOD PRACTICES

STUDY TEC N°:	2480-E190951/0119
SPONSOR:	BREYNER (69 – France)
PRODUCT:	Fabric E 1909/51 Sent 5.09.2019
FACILITIES:	T.E.C. 1, rue Jules Védrines, ZAC Maignon - 64600 Anglet - France
DATES:	06/09/2019 to 17/10/2019
REPLICATES:	2
STUDY DIRECTOR:	Bruno Serrano / ENSAT engineer
STUDY ENGINEE:	Adeline D'Angelo / Master Chemist II
QUALITY RESPONSIBLE:	Bruno Serrano / ENSAT engineer

METHODOLOGY:

This trial has used a methodology adapted from the standard NF G 39-011 which is in the appendix of the proposed methods for biocide registration in the « Guidance on the Biocidal Products Regulation - Volume II Efficacy – Assessment and Evaluation (Parts B&C) – Version 3.0 - April 2018 - ECHA».

ARCHIVING:	10 years, hard + electronic copies
DIFFICULTIES/DEVIATIONS:	None

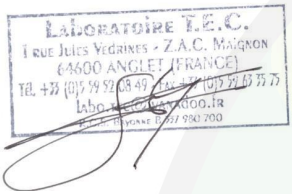
Bruno Serrano
Date: 18 October 2019

PARTICIPANTS TO THE TRIAL

Bruno SERRANO
Trial responsible / T.E.C. Director
Agronomist engineer ENSAT T84
Certiphyto + Certibiocides DTS

Marie-Paule MONTAUT
Technician
Internal formation
Certiphyto + Certibiocides DTS

Adeline D'ANGELO
Metrology responsible
Master chemist
Certiphyto + Certibiocides DTS



LABORATORY ASSESSMENT OF EFFICACY OF A FABRIC TREATMENT TO CONTROL HOUSE DUST MITES

1. PURPOSE

The purpose of this study is to assess the effect of an impregnating treatment of fabric on the development of house dust mite's populations (*Dermatophagoides pteronyssinus*) in comparison with a population no exposed to the product.

The trial is done by deposit of dust mites on the fabrics impregnated or not with the active specialities.

Trial duration is 3 weeks, which corresponds to 1 development cycles of the mites.

2. HOUSE DUST MITES BREEDING

The species chosen (*Dermatophagoides pteronyssinus*) comes from a laboratory colony breeding on a substrate made up of a 50/50 (mass/mass) blend of wheat sprouts and brewer's yeast flakes graded by sieving (size fragment lower than 1 mm). The temperature is between 23 and 25°C and the relative humidity maintained at 75% with a sulphate ammoniac ([NH4)²SO4]) saturated solution ; the colony is kept in darkness.

The colony comes from the Insect and Dust Mite Stored Products Laboratory of the French institute I.N.R.A.

3. MATERIALS AND METHOD

The methodology is adapted from French standard NF G 39-011.

The experimental unit is a small round arena (9 cm diameter), designed in order to allow air exchanges but not the escape of the mites.

The arena contains:
- 0,1 g of food substrate (yeast + dust) for the feeding survival of the dust mites
- a square of the fabric on the 'floor' of the arena

50+/-5 mites are settled into the arenas.
Mites used are sorted to take the more actives.
2 replicates are done, including for the Untreated Control batches (cotton without treatment).

The units are separated by batches in boxes (polypropylene boxes with relative humidity level) and stored in optimal breeding conditions (identical as in §2).

4. ASSESSMENTS

Death rates are assessed by direct counts using a binocular microscope, with the method established by I.N.R.A.

Death rates are assessed after 3 weeks of incubation.

Death criteria is:
- are classified as 'dead' the mites unable to move
- are classified as 'alive' the mites able to move

Data will show the compared population's evolution between the Treated and the Untreated during the cycle of development. Calculation of efficacy is explained on § 6.

5. EXPERIMENTAL UNITS

- untreated sample: provided sample T 1909/51
- experimental samples (sent the 5th September 2019)

B. Green Technology Co., Ltd.
King Feng Shen Enterpise Co., Ltd
Sample: E 1909/51
Material: Lyocell 43% / Polyester 57% (fabric code : B1134-1)
Treatment: 3% PROFYL NK 10
Batch : N 129 188

6. RESULTS

6.1. Presentation

Data are numbers of alive mites converted in % of death rates.
As it is a comparison between Treated and Untreated batches, the calculation of efficacy is done with the:

POPULATION CONTROL COEFFICIENT = CP

$$CP = \frac{\text{mites alive in Untreated - mites alive in Treated}}{\text{mites alive in Untreated}} \times 100$$

This data is the product efficacy coefficient.

- the closer to 0 the coefficient will be, the less efficient the treatment will be because the population will develop at the same pace as for the untreated;
- the closer to 100 the coefficient will be, the more efficient the treatment will be by killing the dust mite's population and stopping its expansion process.

The table next page gives the raw data of the different experimental units.

6.2. Comments

The natural evolution of mite's population in Untreated batches ratified the trial as it confirms the extremely favourable conditions under which the batches are tested: the population on the untreated batches have indeed a development factor close to 18 (close to 900 mites obtained from the original 50).

NOTE: the efficacy of the treatment was evaluated depending on the dust mite's population reduction after 2 development cycles time (6 weeks).

Result on the efficacy of the treatment applied: 100% population reduction.

CONCLUSION

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

The sample has proved a 100% control of the house dust mite's populations.

_____

These results are submitted to the warning in the corresponding invoice, relative to the limits of bioassays

RAW DATA

		MORTALITIES		POPULATIONS' REDUCTION	
		after 3 weeks		after 6 weeks	
	Replicate	A	%M	A	%reduction
Untreated	1	151	-	811	-
	2	132	-	830	-
	mean	141,5	**-**	**820,5**	**-**
	s-d	13,4	-	36,1	-
E 1909/51	1	19	86,6	0	100,0
	2	43	69,6	0	100,0
	mean	31,0	**78,1**	0,0	**100,0**
	s-d	17,0	12,0	0,0	0,0

D = dead A = alive %M = % mortality

We have conducted in 2005 for the company BREYNER a study assessing the sensitizing potential in the adult volunteer with a normal skin of the product **PROFYL NK 10**.

This study concluded that the product **PROFYL NK 10** can be considered as hypoallergenic.

Taking into account that the study protocol based on the Marzulli-Maibach method has not changed and that BREYNER certifies that the composition of **PROFYL NK 10** has not changed either (see certificate attached), the study report dated 23rd March 2005 is still valid which means that the product **PROFYL NK 10** can still be considered as hypoallergenic.

Martillac,
1st July, 2010

Institut Dermatologique d'Aquitaine
Site Montesquieu
Rue Jacques Monod - 33650 MARTILLAC
Tél. (33) 05 56 64 82 33 - Fax (33) 05 56 64 82 11

Benoit LATOUCHE
President

Breyner®

Vienne, June 28th 2010

CERTIFICATE

We BREYNER hereby certify that the composition of the product **PROFYL NK 10** manufactured by our company has not changed since 2005 and is still the same.

Séverine BOURAT
Technical Manager

BREYNER
CD4 - Z.I. ESTRESSIN
38200 VIENNE
Tel 04 37 02 24 24
Fax 04 37 02 24 29

IDEA

Produit / *Product* : PROFYL NK10 LOT N 617014

Evaluation du pouvoir sensibilisant chez le volontaire adulte à peau normale selon la méthode de Marzulli-Maibach

Assessment of sensitizing potential in the adult volunteer with a normal skin

- Code étude / *Code study* : 3.04
- Code produit / *Code product* : ID-04/1915
- Date du rapport / *Present report dated as of* : 23/03/2005

BREYNER
CD 4
Z.I. Estressin
38200 VIENNE

INSTITUT DERMATOLOGIQUE D'AQUITAINE
Site Montesquieu • Rue Jacques Monod • 33651 MARTILLAC
Tél. 33 (0) 556 64 82 33 • Fax. 33 (0) 556 64 82 11 • e-mail : idea@idea-tests.com
Sarl au capital de 82.000 € • RCS BORDEAUX B421 967 093 • APE 7317 • TVA FR 72 421 967 093

AFAQ ISO 9001 VERSION 2000

Phycher
Bio développement

BREYNER
Mr F. DUTOUR
CD 4 – ZI Estressin
38200 VIENNE

Cestas, 30 september 2004

Assessment of acute irritant/corrosive effect on the skin with the product: anti-acariens PROFYL NK 10

Study: IC-OCDE-PH-04/0064-R1

Study carried out between the 24 february 2004 and the 27 february 2004

The product **anti-acariens PROFYL NK 10** was applied, as supplied, at the dose of 0.5mL, under semi-occlusive dressing during 4 hours on an undamaged skin area of 1 rabbit, according to an experimental protocol established from *the O.E.C.D. guideline (n° 404 dated July 17th, 2002) and the method B.4 of the directive n° 92/69/EEC dated December 29th, 1992.*

No cutaneous reactions (erythema and oedema) were observed whatever the examination time.

The results obtained, in these experimental conditions, enabled to conclude that the test product **anti-acariens PROFYL NK 10, must not be classified,** according to the criteria for classification, packaging and labelling of dangerous substances and preparations in compliance with *the E.E.C. Directives 67/548, 2001/59 and 99/45.*

Dr. François RICHEUX
Study Director
Toxicologist

Résultats non soumis au contrôle de l'Assurance Qualité.

Siège social : 18, chemin de Lou Tribail ZI de Toctoucau 33611 CESTAS Cedex - ✆ 05 57 97 16 80 - Fax 05 57 97 16 81
info@phycher.com - www.phycher.com
S.A.R.L. AU CAPITAL DE 60 979,61 Euros - APE 731Z - SIRET 402 924 088 000 30

Authentification de l'étude
Authentification of the study

Je soussigné, certifie que l'étude **référence 3.04 – ID-04/1915** a été réalisée par la société **CTI**, en Roumanie, sous la responsabilité du Dr Anne-Marie MARINESCU, médecin dermatologue, Principal Investigateur, selon le protocole en vigueur dans cette société.

*The undersigned certifies that the study under **reference 3.04 – ID-04/1915** was conducted by the company **CTI**, in Roumania, under the responsibility of Dr Anne-Marie MARINESCU, dermatology medicin, Chief Investigator, according to the protocol in effect in this corporation.*

La copie du rapport est archivée, selon la procédure interne en vigueur, au sein de l'**I**nstitut **D**ermatologique d'**A**quitaine pour une période de 10 ans.

The copy of the report is archived, according to the internal procedure in effect, within the Institut Dermatologique d'Aquitaine for a period of 10 years.

Benoit LATOUCHE
Moniteur de l'étude
Instructor of the study

1. OBJECTIF DE L'ETUDE / *STUDY OBJECTIVE*

La société **BREYNER**, nous a demandé d'évaluer sous contrôle dermatologique le potentiel allergisant du produit :
*The company **BREYNER**, asked us evaluate under dermatologic control the sensitizing potential of product :*

PROFYL NK10 LOT N 617014

appliqué pur, sous patch occlusif selon la méthode de Marzulli-Maibach.
applied pure under an occlusive patch according to the method of Marzulli-Maibach.

2. POPULATION ETUDIEE / *STUDY SUBJECTS*

56 volontaires ont été choisis en accord avec les critères d'inclusion et les critères d'exclusion. Le tableau des résultats visualise 55 sujets ayant réalisé la totalité de l'étude.
56 volunteers have been selected according to the inclusion and the exclusion criteria. The results table summarizes the information about 55 subjects participating in the whole study.

3. DATES ET LIEU DE L'ETUDE / *DATE AND PLACE OF THE STUDY*

L'étude a été réalisée du **10/01/2005** au **18/02/2005** par la société CTI en Roumanie.
The investigation was carried out from 01/10/2005 to 02/18/2005 by the company CTI in Roumania.

4. METHODOLOGIE / *METHODOLOGY*

4.1. Application du produit / *Product application*

Zone d'application / *Application area*	Zones scapulaires : homo latérale (zone d'induction) et controlatérale (zone de révélation) *The back : homolateral (induction site) and controlateral (challenge site)*
Quantité et concentration appliquée / *Applied quantity and concentration*	25 µl (100 %)
Occlusion / *Occlusion*	Totale / *Total*
Fréquence / *Frequency*	Phase d'induction : 3 fois par semaine pendant 48 heures Phase de révélation : 1 semaine *Induction phase : 3 times a week during 48 hours* *Challenge phase : once during 48 hours*
Durée / *Duration*	Phase d'induction : 3 semaines — *Induction phase : 3 weeks* Phase de latence : 2 semaines — *Rest phase : 2 weeks* Phase de révélation : 1 semaine — *Challenge phase : 1 week*
Conditions d'application / *Conditions of use*	Le produit a été déposé sur un disque de papier filtre placé dans la cupule du patch occlusif. Un patch ne contenant aucun produit a été appliqué dans les mêmes conditions que l'autre patch et a servi de témoin non traité. Durant toute la phase d'induction, la zone homolatérale n'a pas été mouillée. Les volontaires se sont douchés le dimanche après le retrait des patch-tests, en faisant attention à ne pas mettre de produit détergent sur les sites. Lors de la phase de révélation, aucun lavage ni aucune application de quelconque produit n'ont été effectués sur la zone controlatérale. *The product was placed into cupule of the occlusive patch and applied on the volunteer's back.* *The patch containing no product was applied in the same conditions to serve as a non-treated control.* *During each week of the induction phase, the homolateral site was never wet. The volunteers take shower on Sunday, after patches ablation and they take care in ordrer not to put a detergent product on the study sites. During the challenge phase, no washing and no other product application was allowed on the controlateral site.*

4.2. Critères d'évaluation / *Evaluation criteria*

La recherche et la cotation des réactions allergiques ont été réalisées selon l'échelle suivante :
The search and the quotation of allergic reactions are evaluated according to following scale :

Critères / *Criteria*	Cotation / *Quotation* ICDRG	Cotation notée / *Quotation noted*
Absence de réaction / *No reaction*	-	0
Réaction douteuse / *Doubtful reaction*	+?	?
Réaction nette (érythème et œdème) / *Weak reaction (erythema and œdema)*	+	1
Forte réaction (érythème, oedème et/ou vésicules) / *Strong reaction (erythema, œdema and/or vesicles)*	++	2
Réaction extrême avec présence de bulles ou d'ulcérations post-bulbeuses / *Severe reaction with blisters*	+++	3

5. RESULTATS / *RESULTS*

Les examens cliniques effectués lors de la phase d'induction ont permis de poursuivre les applications durant toute cette période et durant la phase de révélation.
The physical examinations carried out during the sensitization phase allowed us to continue applying the product during that entire period, as well as the elicitation phase.

Nombre de volontaires ayant réagi pendant la phase d'induction :
10 volontaires ont eu des réactions d'irritation et l'étude s'est poursuivie sans problème jusqu'à la phase déclenchante.
A number of volunteers experienced reactions during the induction phase :
10 volunteers suffered irritations, but the study continued without problem through to the challenge phase.

Nombre de volontaires ayant réagi pendant la phase déclenchante :
4 volontaires ont eu une légère réaction cutanée évoquant une réaction irritative.
A number of volunteers experienced reactions during the challenge phase :
4 volunteers demonstrated slight skin reaction resulting in irritation.

6. CONCLUSION / *CONCLUSION*

De tels résultats permettent de considérer que les risques d'induire une sensibilisation par contact avec la peau du produit
These kinds of results affirm that the risks of inducing sensitization throught skin contact with the product

PROFYL NK10 LOT N 617014

sont minimes.
are minimal.

Le produit **PROFYL NK10 LOT N 617014** peut donc être considéré comme **hypoallergénique.**
*The product **PROFYL NK10 LOT N 617014** can be considered as **hypoallergenic.***

Martillac, le 23 mars 2005
Martillac, the march 23th, 2005

Docteur Pascale DENIS-KANDEL
Directeur scientifique
Scientific Director

Phycher
Bio développement

BREYNER
Mr F. DUTOUR
CD 4 – ZI Estressin
38200 VIENNE

Cestas, 30 september 2004

Assessment of acute irritant/corrosive effect on the eyes with the product : anti-acariens PROFYL NK 10

Study : IO-OCDE-PH-04/0064-R1

Study carried out between the 24 february 2004 and the 27 february 2004

The product **anti-acariens PROFYL NK 10** was instilled as supplied, into the eye of 1 New Zealand rabbit at the dose of 0.1 ml, according to the experimental protocol established on the basis of the official method as defined in the *O.E.C.D. guideline n° 405 dated February 24th, 1987 and the test method B.5 of the directive 92/69/EEC dated December 29th, 1992.*

It was only recorded slight enanthema 1 hour and 24 hours after the test product instillation associated with a slight chemosis only 1 hour after the test product instillation.

The results obtained, in these experimental conditions, enabled to conclude that the test product **anti-acariens PROFYL NK 10, should not be classified,** according to the criteria for classification, packaging and labelling of dangerous substances and preparations in compliance with *the E.E.C. Directives 67/548, 2001/59 and 99/45.*

Dr. François RICHEUX
Study Director
Toxicologist

Résultats non- soumis au contrôle de l'Assurance Qualité.

ÖKO-TEX GEMEINSCHAFT
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TEXTILES VERTRAUEN
Schadstoffgeprüfte Textilien
nach Öko-Tex Standard 100
Prüf-Nr. 00000000
Institut

SPEED POST
Breyner
Attn. Mr. M. Benoît
CD4
Z.I. Estressin
F-38200 Vienne

Fax in advance: +33-437 02 24 29

Y/Ref.: O/Ref.: RF/vf Zürich, November 23, 2005

Application to include active chemical products into the Oeko-Tex list of accepted products

Dear Mr. Benoît

On October 3, 2005, you submitted your application to put one of your products on the Oeko-Tex list of active chemical products. Meanwhile, your request has been assessed by neutral experts, which conclude that the product

GREENFIRST® **PROFYL NK 10**

(hereinafter "accepted product")

is harmless for human health if it is used correctly according to its operating instructions and product safety standards.

Your product will be included into the list of active chemical products as soon as this letter is returned. By counter-signing it, you declare to accept the obligations and conditions set out in this letter, namely:

- To produce the accepted product exclusively according to the procedures and formula documented in the application form and all its supplements.
- To sell only such products under the name of the accepted product, which are produced under your own control and responsibility.
- To provide for the necessary product operating instructions and safety standards and take reasonable measures to make sure they are observed.
- To inform immediately the Oeko-Tex Association of any changes, which could affect the composition, properties or the effect of the product.
- To inform particularly the Oeko-Tex Association of new scientific findings which could affect the harmlessness of the accepted product or any of its single components. This information is due particularly with respect to new toxicological or dermatological profiles.
- To keep Oeko-Tex free from product liability claims by a third party and to take out adequate product liability insurance for this purpose.

You further accept that Oeko-Tex is free at its own discretion to remove the accepted product from the Oeko-Tex list as soon as new information available indicates that it is not harmless anymore for human health. In the common interest of a strong Oeko-Tex Standard 100 you agree to accept such removal without interfering and you declare to waive in advance any claims which might arise for you from such measure.

Yours sincerely,
Oeko-Tex Secretariat

R. Freitag

Place / Date:

Vienne 01/12/95

The applicant:

(Mr. M. Benoît)

OEKO-TEX®
Gemeinschaft

Products with biological activity

Fibre materials with biological active properties

Name of the product	Country	Manufacturer
µ-func. / µ -func.powder	J	Reiko Co., Ltd., Kyoto
Ag3+	USA	Carolina Silver. LLC, Maiden
CellSolution™ bioactive	D	Ostthüringische Materialprüfgesellschaft für Textil- und Kunststoffe mbH, Rudolstadt
CellSolution™ protection	D	Ostthüringische Materialprüfgesellschaft für Textil- und Kunststoffe mbH, Rudolstadt
Fillwell® Wellcare Anti-Dustmite Fibres	Rep. of Ireland	Wellman International Ltd.
Lyocell-Spezialfaser SeaCell® Active	D	Alceru Schwarza GmbH, Rudolstadt
Naturion™	USA	Foss Manufacturing Company, LLC, New Hampshire
New Tafel Parclean	J	Mitsubishi Rayon Co., Ltd.
PA LISO BIOTECH 80F68 OP RED ENT	BR	Rhodia Poliamida e Especialidades Ltda., Santo André São Paulo
PA TEXT BIOTECH 80F68 X 1 OP RED ENT SZ	BR	Rhodia Poliamida e Especialidades Ltda., Santo André São Paulo
PA TEXT BIOTECH 80F68 X 2 OP RED ENT SZ	BR	Rhodia Poliamida e Especialidades Ltda., Santo André São Paulo
Shieldex® Silverline	D	Statex Produktions + Vertriebs GmbH, Bremen
Trevira bioactive	D	Trevira GmbH, Bobingen
Trevira bioactive E2	D	Trevira GmbH, Bobingen
Trevira CS bioactive	D	Trevira GmbH, Bobingen
X-Static® Fibre	USA	Noble Fiber Technologies, Inc. Scranton, PA

Auxiliaries for biological active finish

Name of the product	Country	Manufacturer
Acticide® PDC 9	D	Thor GmbH, Speyer
Acticide® TC 10	D	Thor GmbH, Speyer
AEGIS® AEM 5700 Antimicrobial	USA	Microban International, Ltd., Huntersville, NC
AEGIS® AEM 5772 Antimicrobial	USA	Microban International, Ltd., Huntersville, NC
AEGIS® AEM 5772-5 Antimicrobial	USA	Microban International, Ltd., Huntersville, NC
Afrotin ZNP	D	Schill + Seilacher GmbH, Böblingen
Agiene	USA	Anovotek, LLC, Barnwell
Agion AM Slurry	USA	Sciessent LLC, Wakefield, MA
Agion AM-B20G Slurry	USA	Sciessent LLC, Wakefield, MA
Agion Antimicrobial WAC	USA	Sciessent LLC, Wakefield, MA
Agion Antimicrobial WAJ	USA	Sciessent LLC, Wakefield, MA
Agion Antimicrobial WAW	USA	Sciessent LLC, Wakefield, MA
AgPURE W	D	rent a scientist GmbH, Regensburg
AlphaSan® AF-VT Dispersion	USA	Milliken Chemical, Spartanburg
ANTIBAC OT	BE	NV Devan Chemicals, Ronse
Antimicrobial AlphaSan® RC 2000	USA	Milliken Chemical, Spartanburg
Antimicrobial AlphaSan® RC 5000	USA	Milliken Chemical, Spartanburg
Antimicrobial AlphaSan® RC 2100	USA	Milliken Chemical, Spartanburg
Antimicrobial AlphaSan® RC 5100-A	USA	Milliken Chemical, Spartanburg
Argusan AM 35 PP	D	Argusan Additive Plastics GmbH, Büren

BLOCK BEDBUGS	F	PRONEEM FRANCE SARL
BEMATIN 988	CH	CHT Switzerland AG, Montlingen
BEMATIN PER 40	D	CHT Germany Gmbh, Tübingen
Biostat®-B	SK	Vutch-Chemitex, spol.s.r.o, Zilina
Biochek® 8065	D	Lanxess Deutschland GmbH, Leverkusen
Biochek® 8068	D	Lanxess Deutschland GmbH, Leverkusen
BioMaster AT300	UK	AddMaster (UK) Limited, Stafford
BI-OME AM5	BE	Devan Chemicals NV, Ronse
BI-OME AM10	BE	Devan Chemicals NV, Ronse
BI-OME AM72	BE	Devan Chemicals NV, Ronse
Ciba® IRGAGUARD® B 7000	CH	Ciba Speciality Chemicals Inc., Basel
Ciba® IRGAGUARD® B 7520	CH	Ciba Speciality Chemicals Inc., Basel
Ciba® IRGAGUARD® B 7620	CH	Ciba Speciality Chemicals Inc., Basel
Ciba® IRGAGUARD® B 7920	CH	Ciba Speciality Chemicals Inc., Basel
Ciba® MITIN® FF (HC und FL)	CH	Ciba Speciality Chemicals Inc., Basel
Coopex 50 N	F	Kwizda France, Marly le Roi
DoraFresh AG	D	M. Dohmen GmbH, Korschenbroich
EF3851	AU	Fresche Bioscience Pty. Ltd., Scoresby, Victoria
EF4850	AU	Fresche Bioscience Pty. Ltd., Scoresby, Victoria
EULAN SPA 01	NL	TANATEX Chemicals B.V.
Fermentol 2000 12%	I	DATT Chimica SRL, Bulgarograsso
Fungitrol® C450	CH	ISP Switzerland AG
GREENFIRST® PROFYL EK 16	F	Breyner, Vienne
GREENFIRST® PROFYL NK 10	F	Breyner, Vienne
GREENFIRST® PROFYL MK 12	F	Breyner, Vienne
GREENSPHERE® PROFYL KB9	F	Breyner, Chaponnay
Guacil TX	KR	SK Chemicals Co., Ltd, Seoul
HEALTHGUARD™ PLB	AU	Global Speciality Chemicals, Campbellfield
Health Protection	GB	HHL Technology, London
HeiQ Effect APA	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Bug Guard EUR	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Bug Guard RAS	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Pure EH	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Pure MB	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Pure MB	CH	Sukano AG, Schindellegi
HeiQ Pure SIQ	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Pure TAG	CH	HeiQ Materials AG, Bad Zurzach
HeiQ Pure TF	CH	HeiQ Materials AG, Bad Zurzach
Insect Shield Concentrate 14D	USA	Insect Shield, LLC
INSECTA EC 50	F	ENVIROCHEM sarl
Intercide DBF 9 DINCH	UK	Akcros Chemicals Limited, Manchester
Invasan® AMG	CH	Huntsman Advanced Materials (Switzerland) GmbH, Basel
IONPURE ZAF HS	J	ISHIZUKA GLASS CO., LTD, Aichi
IONPURE ZAF HS(2W)	J	ISHIZUKA GLASS CO., LTD, Aichi
ISAAC	F	PRONEEM FRANCE SARL
iSys AG	D	CHT Germany GmbH, Tübingen
iSys ZNP	D	CHT Germany GmbH, Tübingen
JMAC Composite PG	D	Clariant Produkte (Deutschland) GmbH, Sulzbach
JMAC LP 10	D	Clariant Produkte (Deutschland) GmbH, Sulzbach
Lurol Ag-1500	USA	Goulston Technologies, Inc., North Carolina
Lurol AM-7	USA	Goulston Technologies, Inc., North Carolina
mb.one	D	mbs Chemical Group, Langenfeld
Metasol TK 100	D	Lanxess Deutschland GmbH, Leverkusen
Metasol TK 100 SG	D	Lanxess Deutschland GmbH, Leverkusen
Microban® AEGIS® FU-5700	USA	Microban International, Ltd., Huntersville, NC
Microban® AG R73000-015	USA	Microban International, Ltd., Huntersville, NC

Classification

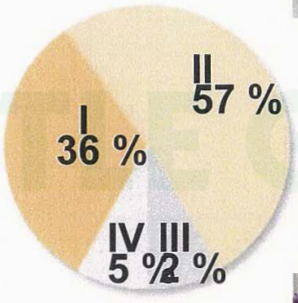
Les contrôles sur les substances nocives selon l'Oeko-Tex Standard 100 se basent toujours sur l'usage qu'il est fait des textiles. La règle générale qui s'applique est donc :

Plus le contact d'un textile avec la peau est intense (et plus la peau est sensible), plus les exigences en termes d'écologie humaine sont élevées.

En conséquence, les produits textiles ayant fait l'objet de tests concluants sont divisés en quatre **classes de produits** différentes :

Classe I

Textiles et jouets en textile pour bébés et enfants en bas âge jusqu'à leurs trois ans révolus, comme par ex. les sous-vêtements, les barboteuses, le linge de literie, les animaux en éponge etc.



Classe II

Les textiles qui, utilisés comme prévus, entrent en contact avec la peau pour une grande partie de leur surface, tels que les sous-vêtements, le linge de literie, les articles en éponge, les chemises, les chemisiers etc.

Classe IV

Matières d'ameublement à but décoratif comme les nappes de table et les rideaux, mais aussi les revêtements muraux et les revêtements de sol en textile etc.

Classe III

Textiles qui, utilisés comme prévus, n'entrent pas en contact avec la peau ou seulement sur une petite partie, comme par ex. les vestes, manteaux, matières de doublure etc.

Food and Agriculture Organization of the United Nations

World Health Organization

JOINT FAO/WHO EXPERT COMMITTEE ON FOOD ADDITIVES
Sixty-first meeting
Rome, 10-19 June 2003

SUMMARY AND CONCLUSIONS

A meeting of the Joint FAO/WHO Expert Committee on Food Additives (JECFA) was held in Rome, Italy, from 10 to 19 June 2003. The purpose of the meeting was to evaluate certain food additives and contaminants.

Mrs Inge Meyland, Senior Scientific Adviser, Institute of Food Research and Nutrition, Danish Veterinary and Food Administration, Søborg, Denmark, served as Chairman and Professor Ron Walker, Emeritus Professor of Food Science, School of Biomedical and Life Sciences, University of Surrey, Guildford, England served as Vice-Chairman.

Dr Manfred Luetzow, Food Quality and Standards Service, Food and Nutrition Division, Food and Agriculture Organization of the United Nations, and Dr Sam Page, International Programme on Chemical Safety, World Health Organization, served as joint secretaries.

The present meeting was the sixty-first in a series of similar meetings. The tasks before the Committee were (a) to elaborate further principles for evaluating the safety of food additives and contaminants; (b) to evaluate certain food additives and flavouring agents; (c) to review and prepare specifications for selected food additives and flavouring agents; (d) to evaluate a water-treatment agent; (e) to evaluate a nutritional source for iron; and (f) to evaluate certain contaminants.

The report of the meeting will appear in the WHO Technical Report Series. Its presentation will be similar to that of previous reports, namely, general considerations, comments on specific substances, and recommendations for future work. An annex will include detailed tables (similar to the tables in this report) summarizing the main conclusions of the Committee in terms of acceptable daily intakes (ADIs) and other toxicological recommendations. Information on specifications for the identity and purity of certain food additives examined by the Committee will also be included.

The participants in the meeting are listed in Annex 1. Further information required or desired is listed in Annex 2. Items of a general nature that contain information that the Committee would like to disseminate quickly are included in Annex 3 and 4.

Toxicological monographs or monograph addenda on most of the substances that were considered will be published in WHO Food Additives Series No. 52.

New and revised specifications for the identity and purity of the compounds will be published in FAO Food and Nutrition Paper Series 52, Addendum 11.

More information on the work of the Joint FAO/WHO Expert Committee on Food Additives (JECFA) is available at:

www.fao.org/es/esn/jecfa/index_en.stm

www.who.int/pcs/jecfa/jecfa.htm

4. Flavouring agents evaluated using the Procedure for the Safety Evaluation of Flavouring Agents Check for specs and conclusions

A. Alicyclic, alicyclic-fused and aromatic-fused ring lactones

Flavouring agent	No.	Specifications [a]	Conclusions based on current intake
4-Hydroxy-4-methyl-5-hexenoic acid gamma lactone	1157	N	No safety concern
(+/-) 3-Methyl-gamma-decalactone	1158	N	No safety concern
4-Hydroxy-4-methyl-7-cis-decenoic acid gamma lactone	1159	N	No safety concern
Tuberose lactone	1160	N	No safety concern
Dihydromintlactone	1161	N	No safety concern
Mintlactone	1162	N	No safety concern
Dehydromenthofurolactone	1163	N	No safety concern
(+/-)-(2,6,6-Trimethyl-2-hydroxycyclohexylidene)acetic acid gamma-lactone	1164	N	No safety concern
Sclareolide	1165	N	No safety concern
Octahydrocoumarin	1166	N	No safety concern
2-(4-Methyl-2-hydroxyphenyl)propionic acid-gamma-lactone	1167	N	No safety concern
3-Propylidenephthalide	1168	N	No safety concern
3-n-Butylphthalide	1169	N	No safety concern
3-Butylidenephthalide	1170	N	No safety concern
Dihydrocoumarin	1171	R	No safety concern
6-Methylcoumarin	1172	N	No safety concern

[a] N: new specifications prepared; R: revised specifications.

B. Aliphatic di- and trienals and related alcohols, acids, and esters

Flavouring agent	No.	Specifications [a]	Conclusions based on current intake
2,4-Pentadienal	1173	N	No safety concern
(E,E)-2,4-Hexadien-1-ol	1174	N	No safety concern
trans,trans-2,4-Hexadienal	1175	N	No safety concern
(E,E)-2,4-Hexadienoic acid	1176	N	See footnote [b]
Methyl sorbate	1177	N	No safety concern
Ethyl sorbate	1178	N	No safety concern
2,4-Heptadienal	1179	N	No safety concern
(E,E)-2,4-Octadien-1-ol	1180	N	No safety concern
trans,trans-2,4-Octadienal	1181	N	No safety concern
2-trans,6-trans-Octadienal	1182	N	No safety concern
2,4-Nonadien-1-ol	1183	N	No safety concern
2,6-Nonadien-1-ol	1184	N	No safety concern
2,4-Nonadienal	1185	N	No safety concern
Nona-2-trans-6-cis-dienal	1186	N	No safety concern
2-trans-6-trans-Nonadienal	1187	N	No safety concern
(E,Z)-2,6-Nonadien-1-ol acetate	1188	N	No safety concern
(E,E)-2,4-Decadien-1-ol	1189	N	No safety concern
2-trans,4-trans-Decadienal	1190	N	No safety concern
Methyl (E)-2-(Z)-4-decadienoate	1191	N	No safety concern
Ethyl trans-2-cis-4-decadienoate	1192	N	No safety concern
Ethyl 2,4,7-decatrienoate	1193	N	No safety concern
Propyl 2,4-decadienoate	1194	N	No safety concern
2,4-Undecadienal	1195	N	No safety concern
trans,trans-2,4-Dodecadienal	1196	N	No safety concern
2-trans-6-cis-Dodecadienal	1197	N	No safety concern
2-trans-4-cis-7-cis-Tridecatrienal	1198	N	No safety concern

[a] N: New specifications prepared. [b] An ADI of 0 to 25 mg/kg bw was established at the 17th meeting. The ADI was maintained and the use of the chemical as a flavouring agent subsumed in the ADI.

C. Aliphatic branched-chain unsaturated alcohols, aldehydes, acids, and related esters

Flavouring agent	No.	Specifi-cations[a]	Conclusions based on current intake
(+/-) 2-Methyl-1-butanol	1199	N	No safety concern
3-Methyl-2-buten-1-ol	1200	N	No safety concern
2-Methyl-2-butenal	1201	N	No safety concern
3-Methyl-2-butenal	1202	N	No safety concern
Ammonium isovalerate	1203	N	No safety concern
3-Methylcrotonic acid	1204	N	No safety concern
trans-2-Methyl-2-butenoic acid	1205	N	No safety concern
Isobutyl 2-butenoate	1206	N	No safety concern
2-Methylallyl butyrate	1207	N	No safety concern
4-Methyl-2-pentenal	1208	N	No safety concern
2-Methyl-2-pentenal	1209	N	No safety concern
2-Methyl-2-pentenoic acid	1210	N	No safety concern
2,4-Dimethyl-2-pentenoic acid	1211	N	No safety concern
2-Methylheptanoic acid	1212	N	No safety concern
Isobutyl angelate	1213	N	No safety concern
2-Butyl-2-butenal	1214	N	No safety concern
2-Isopropyl-5-methyl-2-hexenal	1215	N	No safety concern
2-Ethyl-2-heptenal	1216	N	No safety concern
2-Methyl-2-octenal	1217	N	No safety concern
4-Ethyloctanoic acid	1218	N, T	No safety concern
dl-Citronellol	1219	R	See footnote [b]
Citronellal	1220	N	No safety concern
3,7-Dimethyl-6-octenoic acid	1221	N	No safety concern
Rhodinol	1222	N	No safety concern
Geraniol	1223	N	No safety concern
Nerol	1224	N	No safety concern
Citral	1225	R	See footnote [b]
8-Ocimenyl acetate	1226	N	No safety concern
2,6-Dimethyl-10-methylene-2,6,11-dodecatrienal	1227	N	No safety concern
3,7,11-Trimethyl-2,6,10-dodecatrienal	1228	N	No safety concern
12-Methyltridecanal	1229	N	No safety concern
Farnesol	1230	N	No safety concern

[a] N: new specifications prepared; R: revised specifications; T: tentative specifications. [b] A group ADI of 0 to 0.5 mg/kg bw expressed as citral, was established for citral, citronellol, geranyl acetate, linalool and linalyl acetate at the 23rd meeting. The ADI was maintained and the use of the chemical as a flavouring agent subsumed in the ADI.

D. Aliphatic and aromatic ethers

Flavouring agent	No.	Specifi-cations[a]	Conclusions based on current intake
sec-Butyl ethyl ether	1231	N	No safety concern
1-Ethoxy-3-methyl-2-butene	1232	N	No safety concern
1,4-Cineole	1233	N	No safety concern
Eucalyptol	1234	N	No safety concern
Nerol oxide	1235	N	No safety concern
2,2,6-Trimethyl-6-vinyltetrahydropyran	1236	N	No safety concern
Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	1237	N	No safety concern
Theaspirane	1238	N	No safety concern
Cycloionone	1239	N	No safety concern
1,5,5,9-Tetramethyl-13-oxatricyclo(8.3.0.0(4,9))tridecane	1240	N	No safety concern
Anisole	1241	N	No safety concern
o-Methylanisole	1242	N	No safety concern
p-Methylanisole	1243	N	No safety concern
p-Propylanisole	1244	N	No safety concern
2,4-Dimethylanisole	1245	N	No safety concern

SGS

Rouen, on 07/17/08

BREYNER
CD 4
Zone Industrielle d'Estressin
38200 VIENNE

Vegetable oil analysis
RN 05-07256

Research done on 21/10/05,

A qualitative analysis of the volatile compounds including solvents, a qualitative research of the essential oils, and a multi-residue pesticides and benzimidazoles research have been done on the sample " PROFYL NK 10 batch N° N 679 035 ".

Conclusion :

PROFYL NK10 batch N° N 679 035 of the GREENFIRST® treatment does not contain any chemical pesticides nor chemical solvents according to the appendix.

The analysis has shown that more than 90% of the identified volatile compounds come from essential oils extracted from plants.

PROFYL NK10 batch N° N 679 035 of the GREENFIRST® treatment contains essential oils of :

- Lemon,
- Eucalyptus,
- Lavender.

PROFYL NK10 batch N° N 679 035 of the GREENFIRST® treatment does not contain any microcapsules.