

Hagalís Assoziation
Kristallanalysen - Qualitätsprüfung
Qualitätsberatung
Eulogiusstr. 8
88634 Afttholderberg
Tel: 07552/4219
Fax: 07552/4553



Hagalís Assoziation · Eulogiusstr. 8 · 88634 Afttholderberg

May 24th, 2000

Crystal Analysis

Comparative Study: Food Evaluation

Cedrus Ltd.,

**Sample: Propolis Extract No. 3,
Valeo-Propolis**

1. Introduction

The aim of this study was the qualitative assessment of two samples of propolis. One propolis is called Propolis Extract No 3: Valeo-Propolis and the other propolis is called Propolis Extract No 2: Propolis with water. The varying quality characteristics were to be noted and the aim was to determine which propolis is of a higher quality. The curative qualities of the superior propolis were to be evaluated and summarised in a follow-up report.

The crystal forms resulting from this sample show a distinct regularity throughout and indicate top quality. There is no evidence of weak points in the sample, such as dark areas or cross-structures at 90° angles. In this respect there are no restrictions, thus confirming that the sample is free of harmful substances.

Of all the samples, which have been analysed up to now, including the sample of Propolis Extract No. 2: Propolis with water tested in this context; the quality of Valeo-Propolis is by far the best. It is very similar to the quality of the biopollen honey tested on February 21st, 2000 that was be of excellent quality.

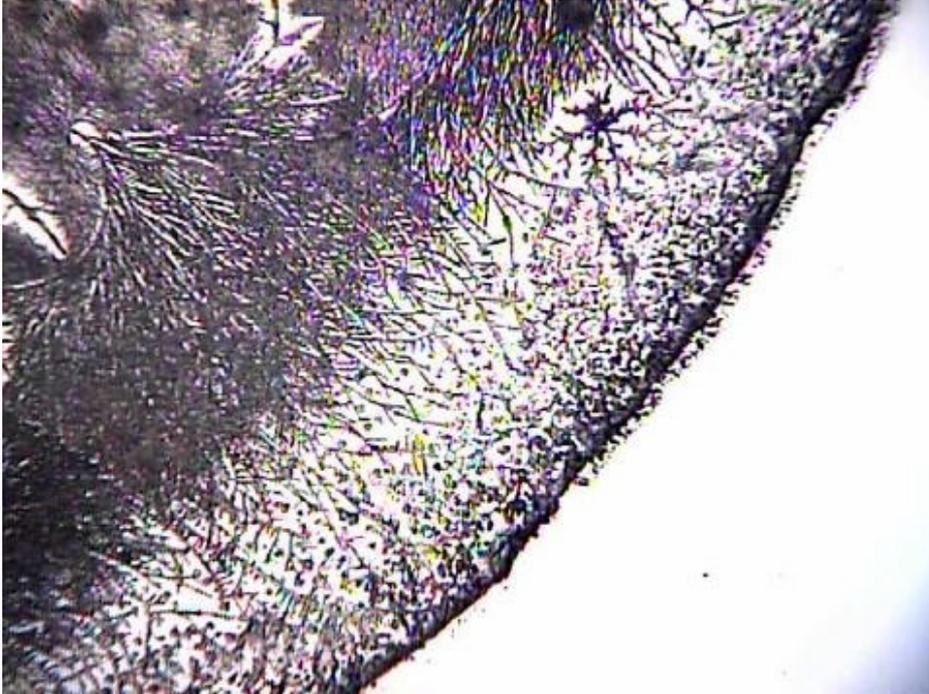
The regularly formed crystals, whose angular structure approximates the golden angle, indicate a very high degree of vitality and prove that natural raw materials were used exclusively for this product. Thus we have proven without question the organic quality and can recommend the product as being organic.

The regularly formed crystals show no indication of weak areas in the form of right angles, which proves that the sample is free of electromagnetic and radioactive radiation.

The product is altogether in harmony and no negative factors reduce its quality. Therefore, the product achieves an evaluation in the top area of the quality scale, proving that it is of a quality which is rarely found nowadays.

More details will be given in conjunction with the pictures.

2. Crystal Image 40xenlarged



The full image shows regularly spread out crystal structures that can be seen over the whole image and give a first impression of the high vitality. The crystals are very finely developed with angles between 30° and 60° and have a tree-like structure, indicating high vitality.

The crystals show no weakness or dark areas indicating that the sample is free of any pollutants. The dark spots at the edge of the image indicate filigrane crystal complexes that, when magnified 400 times, show up as fine elaborated shapes, not amorphous structures as it would appear if heavy metal or other harmful substances were present. This is not the case here as the image magnified 400 times shows.

The filigrane forms of the crystal show that fine vital forces have worked into the sample in a way that is only found in high-quality organic products. Areas without crystals would indicate a weak vitality and are not to be found in the entire image of the sample, thus proving that the sample is of high vitality and has a superior product quality.

3. Crystal Image 100xenlarged



In the semi-image, which is magnified 100 times, the fine structures of the crystal can be seen more distinctly. No weakness can be seen and the crystals have an absolutely regular structure. This magnified image is from the middle of the overall image and indicates that this product can stimulate the metabolism.

The plant-like structure of the crystals also shows that the propolis in its original form comes from an environment that is still full of vitality and is clean. Such quality has become extremely rare in Europe. The quality found in here proves that the environment in New Zealand is still exceptionally intact.

The only reservation to be made is based on the somewhat less well-formed crystals at the edges. These are of little importance, however, but prevent the product from getting the highest evaluation mark.

The six-pointed-star structure, which can be seen in the upper part of the image, is particularly interesting, as it indicates the good quality of the water used in the production of the sample product.

The 100x enlargement confirms the extraordinary quality. The purity and vitality of the sample become clearly evident.

4. Crystal Image 400xenlarged

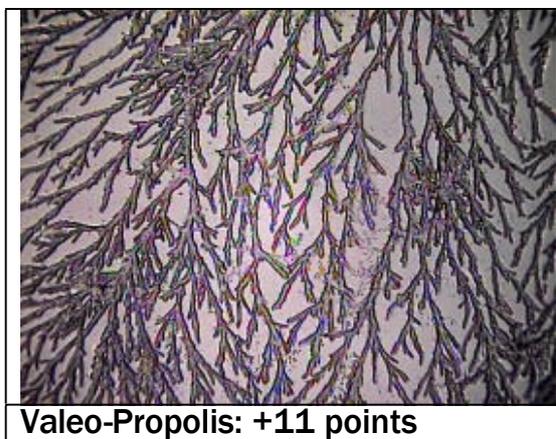
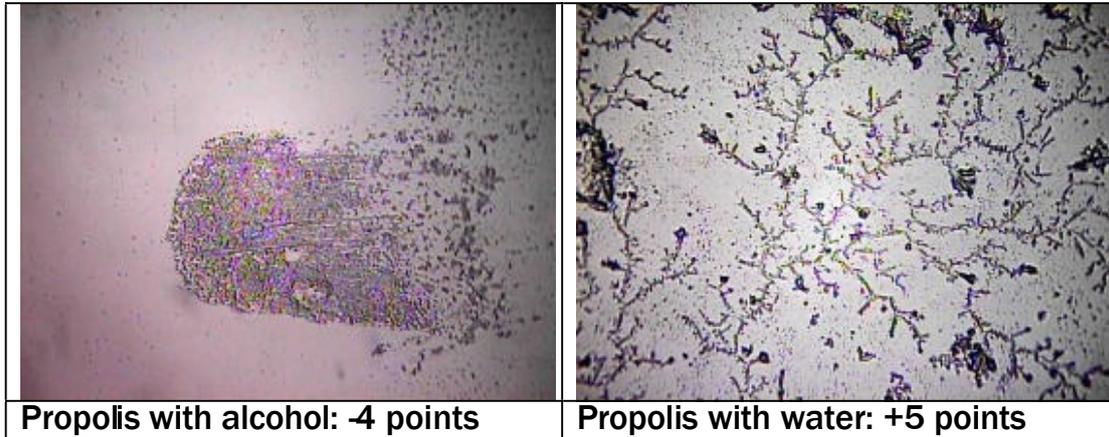


The large image, which is 400 times magnified, shows crystals that have developed unimpeded, earning them the highest quality marks. Such finely structured crystals are generally only found in high quality organic products, which come from good raw materials. The angular structures are within the realm of the golden angle and prove that fine forces have influenced the sample as is often the case with products originate from organic farming. The positive influence of an environment which is still intact and from which the product comes can be seen in this strongly magnified image (400x).

No linear structures are to be found, nor are there any indications of synthetic additives or pesticides. As a result this product sample is not only free of any pollutants but its quality has been proven to be absolutely organic.

No signs of low vitality such as crystal free areas can be seen in the large image. Therefore, it can be concluded that the sample is from a fully vital product of perfect quality.

5. Comparison



A direct comparison shows that the sample tested here has by far the best results of all propolis samples tested so far and has therefore received the best score. This is a consumer product of excellent quality with hardly any restrictions. The consumer will profit from the strengthening and vitalising qualities of this product. More detailed information on the healing effects can be found in a special report about the curative qualities. The product has been evaluated at the top of the grading scale and is highly recommended.

All together we have given the product Propolis Extract No. 3: Valeo-Propolis the evaluation of very good and on a scale of 1 to 6 (1=excellent; 6=harmful) the grade of 1-. We highly recommend this product to consumers as being of very good quality.

SAMPLE: FROM 5/24/2000	1	2	3	4	5	OVERALL EVALUATION	
Cedrus Ltd. Sample: Propolis Extract No. 3, Valeo-Propolis							
Testing of the crystal:							
			Overall assessment				
6. Evaluation	formation from +3 to -3 points	forms from +3 to -3 points	expansion from +3 to -3 points	intensity from +3 to -3 points	total score from +12 to -12 points	grade 1 excellent - 6 harmful	final evaluation excellent to harmful
Propolis No 1 from 21/2/2000: Propolis with alcohol	-1	-1	-1	-1	-4	4-	Sufficient with restrictions
Propolis No.2 from 22/5/2000: Propolis with water	+1	+1	+2	+1	+5	2-3	satisfactory to good
Propolis No.3 from 22/5/2000: Valeo-Propolis	+3	+3	+3	+2	+11	1-	very good
Total evaluation:							
Cedrus Ltd., Sample: Propolis No. 3: Valeo-Propolis	The sample tested here shows outstanding quality throughout, without any restrictions; no pollutants or contamination are to be found; only minimal flaws prevent the product from being given the highest score. This product can be highly recommended to the consumer.						

6. Evaluation of health benefits

The sample analysed here shows various curative effects. It strengthens the immune system and causes a positive effect on inflammatory illnesses. In particular illnesses caused by inflammations of the following organs can be reached through the effectiveness of the sample:

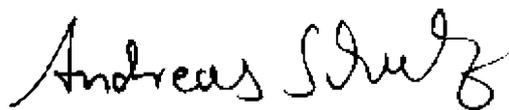
Frontal sinus, bronchi, intestine, bladder, eyes, stomach.

For degenerative illnesses, such as Arthrose or similar illnesses, strong effects are not to be expected. The substantial curative effects therefore refer exclusively to inflammatory illnesses in the common sense.

The preparation presents itself so harmoniously, that it can be given also as a generally stimulating remedy for the stabilisation of the immune system. There are no harmful side effects expected. In that sense there is nothing against the general distribution of the preparation and it can be classified as recommendable, without any special pharmaceutical duty.

Since the preparation obviously contains very much vitality and has general strengthening effects, it obtains the grade -very good- within the upper scale of the scoring system. Regarding its curative effects the preparation can be highly recommended to the consumer.

Aftholderberg, May 24th, 2000



A. Schulz
(Director)

SAMPLE: FROM 5/24/2000	1	2	3	4	OVERALL EVALUATION
Cedrus Ltd. Sample: Propolis Extract No. 3: Valeo-Propolis					
Character of effects on organs:	degenerative -1 to -3 points	neutral effect to strengthening effect	inflammatory +1 to +3 points	evaluation of the curative effect on following diseases	
Heart				illnesses of the heart	
lung			+2	illnesses of the lung	
stomach			+1	illnesses of the stomach	
pancreas				illnesses of the pancreas	
gall				illnesses of the gall	
liver				illnesses of the liver	
Duodenum				illnesses of the duodenum	
small intestine				illnesses of the small intestine	
large intestine				illnesses of the large intestine	
Kidneys				illnesses of the kidneys	
Bladder			+1	illnesses of the bladder	
Skin				illnesses of the skin	
Eyes			+1	illnesses of the eyes	
nerves, brain				illnesses of the nerves and brain	
spinal column				illnesses of the spinal column	
frontal sinus			+3	illnesses of the frontal sinus	
Total evaluation:				total score	+8
Cedrus Ltd., Sample: Propolis Extract No 2: Valeo- Propolis	With +8 points the preparation can be described as a remedy for illnesses caused by inflammation of the organs specified above. Beyond that it shows a generally immune-modulating effectiveness, which appears suitable as a prophylaxis for cold diseases. For this sphere of activity it is to be classified as highly recommendable.				