

ANALYSIS REPORT No. 1802070951**DATE: 07.02.2018****PAGE 1/1**

Client:

21802070951
PA239478**ETS Ickowicz S.A.
BP 70 - Rue Alphonse Daudet
84502 Bollene Cedex
France**

FAX: +33 4 90 30 46 77

E-Mail: ETS Ickowicz

Your order no. CF0013175

Our reference no.	: PI1801310243		
Product	: Wax		
Sample description / Batch	: CIRE - N° DE LOT: AXC201/GLDU7234505		
Sample received on / transported by	: 31.01.2018 via Parcel service	Seal	: none
Sample temp. when received / stored	: RT	Sampling	: Client
Packaging / Quantity	: Plastic bag / ca. 140g	Start / End of analysis	: 31.01.2018 / 07.02.2018

ANALYSIS REQUESTED: Descriptive Indices of Beeswax (108211)

Parameter	Result	Unit	Method
Saponification Value	91.3		Ph. Eur. 9.0 (S) (na) ¹
Acid Value	17.7		Ph. Eur. 9.0 (S) (na) ¹
Ester Value	73.6		Ph. Eur. 9.0 (S) (na) ¹
Ratio Number	4.2		Ph. Eur. 6.0 (S) (na) ²

Expected value range according to relevant literature: 17-24 (acid value), 66-82 (ester value), 83-104 (saponification value) mg KOH/g, 3.0-4.3 (ratio number).
Specification according to Pharm. Eur.:
Cera Alba: 17-24 (acid value), 70-80 (ester value), 87-104 (saponification value) mg KOH/g
Cera Flava: 17-22 (acid value), 70-80 (ester value), 87-102 (saponification value) mg KOH/g

(S) : Placed with subcontractor. (a) : accredited method. (na) : not accredited method. (1) non-GMP (2) non-GMP
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Interpretation:

The analysis results lie within the expected range for pure beeswax according to acknowledged literature (Bernal et al., Eur. J. Lipid Sci. Technol. 107 (2005), 158-166). Regarding the analyzed parameters the sample corresponds to the specification for beeswax of the European Pharmacopoeia and Regulation (EU) No 231/2012.

*R. Horst***Ramona Horst**
Responsible Scientist, Certified Food Chemist

ANALYSIS REPORT No. 1802080397

DATE: 08.02.2018

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Client:



21802080397
PA239478

**ETS Ickowicz S.A.
BP 70 - Rue Alphonse Daudet
84502 Bollene Cedex
France**

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Your order no. CF0013175

Our reference no.	: PI1801310243		
Product	: Wax		
Sample description / Batch	: CIRE - N° DE LOT: AXC201/GLDU7234505		
Sample received on / transported by	: 31.01.2018 via Parcel service	Seal	: none
Sample temp. when received / stored	: RT	Sampling	: Client
Packaging / Quantity	: Plastic bag / ca. 140g	Start / End of analysis	: 05.02.2018 / 07.02.2018

ANALYSIS REQUESTED: Pesticides and Bee Treatment Agents by GC-MS/MS and LC-MS/MS (108114)

Parameter	Result	Unit	Method
Chlorpyrifos (-ethyl)	0.042	mg/kg	(a) ¹
Cypermethrin	0.069	mg/kg	(a) ¹
other Pesticides	n.d.	mg/kg	(a) ¹

n.d. - not detected < limits of quantification
List of analytes and limits of quantification: see pdf-file attached to the electronically submitted analysis report

(a) : accredited method. (na) : not accredited method. (1) ASU § 64 LFGB L 00.00-115 (DIN EN 15662)
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Interpretation:

Referring to the analyzed parameters and considering the above mentioned limit of quantification, in the investigated sample the above stated amounts of residue were determined.



Dr. Katharina Schmidt
Responsible Scientist, Certified Food Chemist