
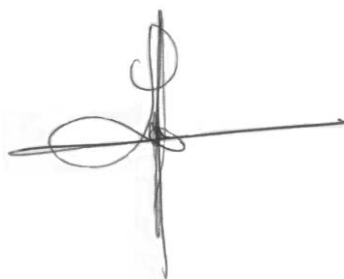


<p>Espace Jacques Louis Lions 4 traverse Dupont 06130 Grasse France contact@botanicert.com</p>		<p>Analysis report – P6954-V2</p>
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<b>PROJECT</b>	6954
<b>CUSTOMER</b>	C346
<b>OBJECTIVE</b>	HPLC: identification of <i>Myrciaria dubia</i> (Kunth) McVaugh
<b>LABORATORY</b>	BOTANICERT
<b>METHOD</b>	Internal method
<b>ANALYSTS</b>	JD & LL
<b>DATE OF RECEPTION</b>	2019.04.03

**DATE:** 2019-11-29  
**ANALYST:** Loïc Loffredo

**DATE:** 2019-11-29  
**APPROVED:** Francis Hadji-Minaglou



**BOTANICERT**  
Certification botanique  
et Phyto-chimique  
Espace Jacques-Louis Lions  
4, Traverse Dupont  
06130 Grasse - France  
Tél : +33 (0)4 89 85 60 27  
email : contact@botanicert.com



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**Botanical and phytochemical authentication**

SAS capital of 88750 Euros, **NFA** : 7112B ; **RCS** : 529.468.134 Grasse ; **Siret** : 529.468.13400018


**VAT number:** FR23529468134



## SUMMARY

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## 1. HPLC ANALYSIS

### 1.1. Samples and standards

N°	DESCRIPTION	BATCH
CS9243	Camu Camu C++ Powder, organic	3188
BS1128	<i>Myrciaria dubia</i> (Kunth) McVaugh	Botanical reference

### 1.2. Instruments

NAME, ARTICLE	MANUFACTURER
UHPLC Acquity H-Class, PDA, ELSD, SQD	WATERS
Ultrasonic bath	VWR
Analytical balance	OHAUS-Pioneer

### 1.3. Sample preparations

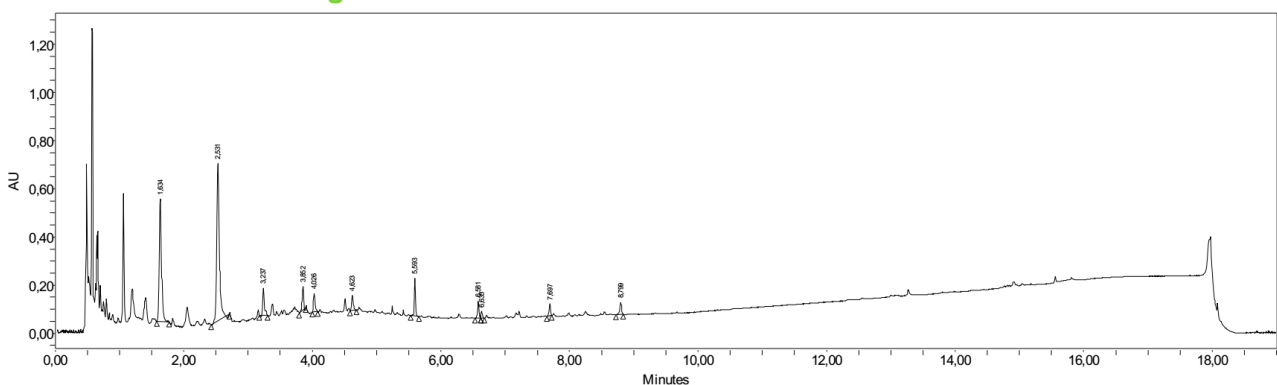
SAMPLE NUMBER	DESCRIPTION
S30310	1,0306 g de CS9243 + 10,0323 g de H <sub>2</sub> O + 0,05% AF
S30311	0,9572 g de BS1128 + 9,5132 g de H <sub>2</sub> O + 0,05% AF

### 1.4. Detection

- Detector : PDA
- Range : Max plot

### 1.5. HPLC chromatograms

#### 1.5.1. Chromatogram of the botanical reference

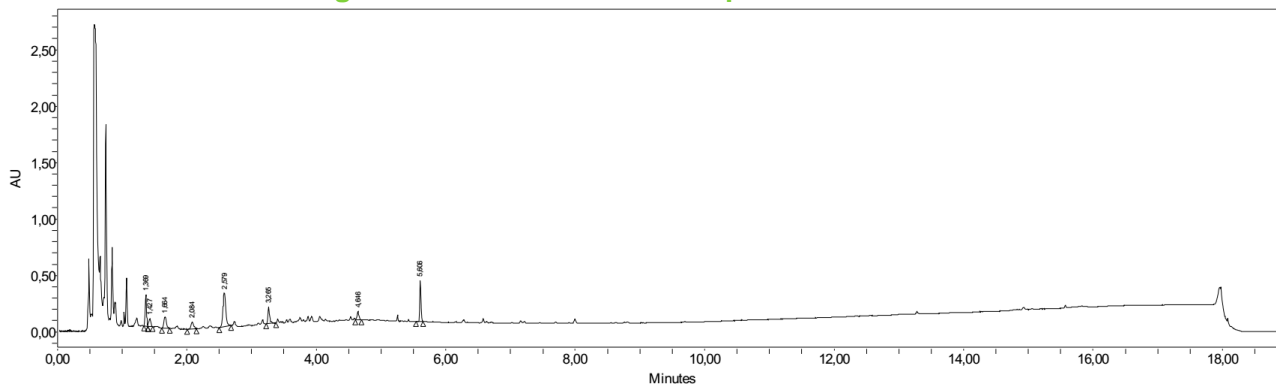


#### Botanical and phytochemical authentication

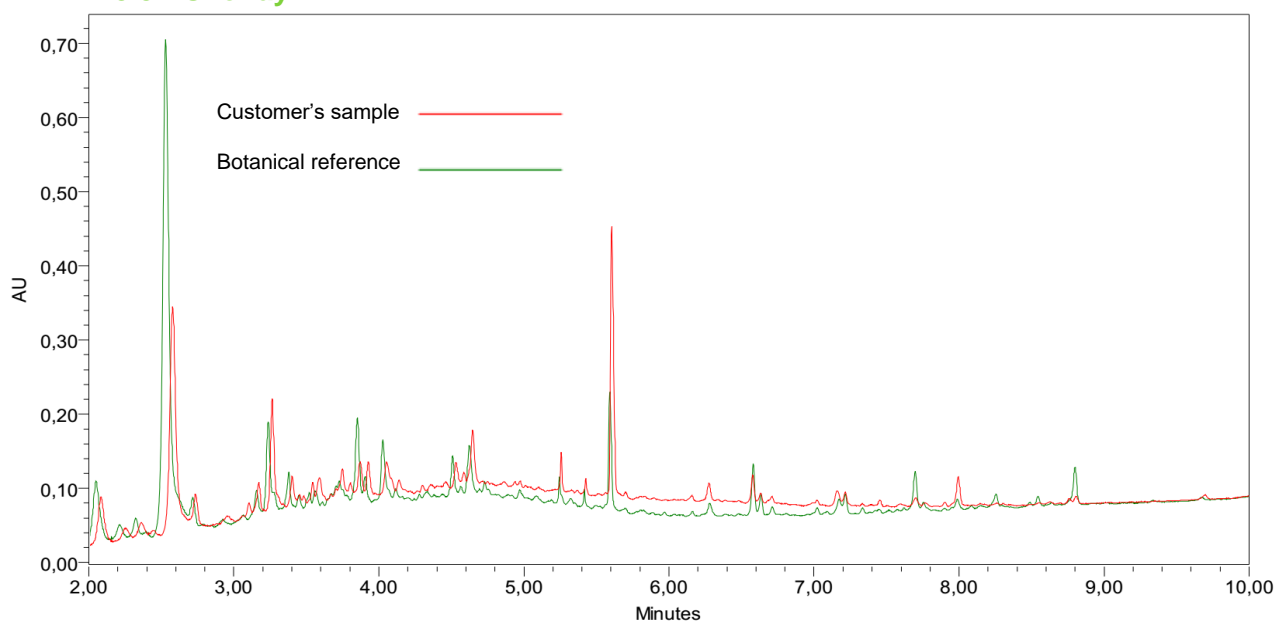
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### 1.5.2. Chromatogram of the customer's sample



### 1.5.3. Overlay



The expected specific markers of *Myrciaria dubia* (Kunth) McVaugh are found in the customer's sample. The HPLC profile of the customer's sample is similar to the botanical reference. The ratios of the compounds of interest are mainly respected and it does not seem that there is any spiking in ascorbic acid in the sample. We cannot conclude about the naturality of any compound but the overall profile is compliant and the sample still looks of good quality.

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## 2. GENERAL CONCLUSION

The HPLC analysis allows to conclude that the customer's sample can be identified as a sample of *Myrciaria dubia* (Kunth) McVaugh

CUSTOMER'S SAMPLE	INTERNAL BATCH NUMBER	BATCH NUMBER	PHYTOCHEMICAL IDENTIFICATION
Camu Camu C++ Powder, organic	CS9243	3188	Compliant