

# CERTIFICATE OF ANALYSIS

Name: 0374-413 - Hamamelidis EF PhFr.100g

Werkorder: 120833

Lot number: 18117/V96329

Expiry date: 30/09/2021

Parameter	Measured Value	Specification Value Range	Analysis Method
<b>Reference</b>			
REFERENCE: Ph.Fr. (1989)			
<b>Characters</b>			
Description: Dark brown liquid	conform	conform	Ph. Fr.
Odour: Characteristic	conform	conform	Ph. Fr.
Solubility	conform	conform	Ph. Fr.
<b>Identification</b>			
A.: Precipitation reaction (tanins)	positive	positive	Ph. Fr.
B.: Colour reaction (flavones)	positive	positive	Ph. Fr.
<b>Tests</b>			
Residue on drying	18,0 % m/m	15,0 - 20,0 % m/m	Ph. Eur.
Relative density (d20-20)	1,0255		Ph. Eur.
Ethanol content	34,9 % V/V	34,0 - 39,0 % V/V	Conforma
Methanol	< 0,05 % V/V	< 0,05 % V/V	Conforma
2-Propanol	< 0,05 % V/V	< 0,05 % V/V	Conforma
Ratio herb/native extract	1/1		Ph. Eur.
Chromatography	conform	conform	Ph. Fr.
<b>Microbial contamination</b>			
TAMC	10 cfu/g	< 100.000 cfu/g	Ph. Eur.
TYMC	0 cfu/g	< 10.000 cfu/g	Ph. Eur.
Bile-tolerant gram-negative bacteria	0 cfu/g	< 10.000 cfu/g	Ph. Eur.
E. coli	absent in 1g	absent in 1g	Ph. Eur.
Salmonella	absent in 25g	absent in 25g	Ph. Eur.
<b>Release</b>			
Conclusion	conform	conform	
Date	10/12/2018		

This is a computerised print of the original, signed report of analysis.  
This report of analysis is valid without any subscription.

Signed by: Marta Donadoni  
Qualified Person

1/1