

PhytoLab GmbH & Co. KG Dutendorfer Str. 5-7 91487 Vestenbergsgreuth

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91487 Vestenbergsgreuth  
Germany

Contact:

phyproof® Reference Substances

Tel: +49(0)9163/88-395

Fax: +49(0)9163/88-456

ref-substances@phytolab.de

Date: 28.06.18

Cust.No: 96888

### Certificate of analysis

Report-No.: ~~55645005~~ 99-002  
Batch: 8557  
Article: 89713 Hypophyllanthin

Test	Unit	Limit	Testresult
Appearance, SOP 100005		powder	Conform
Color, SOP 100006		white	Conform
Solubility, SOP 105001:			Conform
Methanol		soluble	Conform
Water		insoluble	Conform
Diethyl ether		soluble	Conform
Petroleum ether		sparingly soluble	Conform
Chloroform		soluble	Conform
Identification (UV spectrum from HPLC-DAD analysis) according to specification, SOP 204311		Conform	Conform
Identification (IR-spectroscopy, Ph.Eur. 9.0, 2.2.24)/USP 39 NF 34 <197>), SOP 206000		Conform	Conform
Identification (1H-NMR-spectroscopy), (outsourced), SOP 206010		Conform	Conform
Identification (13C-NMR-spectroscopy), (outsourced), SOP 206020		Conform	Conform
Peakpurity, (HPLC), SOP 401367		Conform	Conform
Hypophyllanthin (HPLC), method 1 (% AU), SOP 440084	%	>= 90.00	98.91

#### Assessment:

The above mentioned reference substance meets the specification.



### Certificate of analysis

Report-No.: 55645205 - 99 002  
Batch: 8557  
Article: 89713 Hypophyllanthin

Test	Unit	Limit	Testresult
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The chromatographic purity is checked regularly: the last analysis has been performed in June 2018.

The reference substance cannot be documented with an expiry date. The pack is closed and is recommended to be stored as indicated. The unopened product is guaranteed to fulfill the specifications of this analytical report for a period of 60 months. Once opened we can no longer guarantee the stability of the material.

Vestenbergsreuth, 28.06.18

Dr. Jan Glaser

This is a computer print and valid without signature. A signed certificate of analysis can be taken on request.

Example only