



Griffonia Seeds HA PE 30% hydroxytryptophan HPLC				
Product Code :			1403294	
Certificate of Analysis				
Version SDS	Date	Conclusion	Written by	Sign
003	2020-02-11	Conform	O.MERIEENNE Quality assurance	
			Validated by	Sign
			A. GILLET Quality assurance	
Manufacturing**				
Botanical Name	<i>Griffonia simplicifolia</i>			
Part used	Seeds			
Approx. Ratio Plant : Extract	10/1 - Indicative value			
Extraction solvent	Ethanol (max. 30%) / Water (min. 70%)			
Additives / Carrier	None			
Batch number	O-1403294-191026	Manufacture Date	2019-10	
		Best Before Date	2022-10	
Properties	Specifications			Results
Organoleptic **				
Appearance	Fine brownish yellow powder			Complies
Odor & taste	Characteristic			Complies
Physical and Chemical **				
Loss on drying	≤ 10%			1.76%
Total ashes	≤ 10%			0.35%
Bulk density	40 - 60 g/100mL			50 g/100mL
Tapped density	60 - 90 g/100mL			61 g/100mL
Particle size	≥ 90% pass through #80 mesh			Complies
Assay**				
5-HTP	≥ 30% by HPLC, internal			30.25%
Microbiological **				
Total Plate Count	≤ 10 000 CFU/g ***			40 CFU/g
Yeast and Mould	≤ 100 CFU/g ***			10 CFU/g
E.coli	Negative			Complies
Salmonella spp	Negative			Complies
Contaminants*/**				
Cadmium	≤ 1 ppm			< 0.01 ppm
Lead	≤ 3 ppm			0.0278 ppm
Mercury	≤ 0.1 ppm			0.0356 ppm
Arsenic	≤ 2 ppm			0.2059 ppm
Pesticides	Comply with European regulation 396/2005			Standard
Additional informations	Benzo(a)pyrene Comply with EU 2015/1933			Complies
	4PAHs Comply with EU 2015/1933			Complies
Shelf Life	2 years			
Allergens**	Certified in compliance with Regulation 1169/2011/EC			
Ionization**	Certified in compliance with Regulation 1999/2/CE & 1999/3/EC.			
TSE/BSE**	Certified in compliance with Regulation 999/2001/EC			
Nanomaterials**	Certified in compliance with Decree 2012/232 & Decree dated August 6th, 2012			
GMO**	Certified in compliance with Regulation 1829/2003/EC & 1830/2003/EC			

*According to a control plan

**Based on our producer's information

***Acceptable maximal count: 5 times the acceptance criterion according to Eur. Ph. VIII^e Ed 5.1.8 Category B

Remarks :

-To be stored in original tightly closed package away from moisture and sunlight.

-Since it is an herbal product, there is likely to be minor colour variation from batch to batch because of the seasonal variations of raw materials. Colour change will not affect the quality and efficacy of the product.

Abbreviations: ND: not determined / NA: not applicable / HA : Hydroalcoholic / PE: Powder extract / FE : Fluid extract / SE : Soft extract

Approved by quality department

As received from our supplier - Certifié conforme à l'original.

PROPHAR Laboratoire -8 rue du rocher 49124 Saint Barthélemy d'Anjou

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