



Rhodiola Roots HA PE Min 3% Rosavins, 1 % Salidroside HPLC				
Product Code :			1004122	
Certificate of Analysis				
Version SDS	Date	Conclusion	Written by	Sign
005	2020-01-30	Conform	A.CONVERT Quality assistant	
			Validated by	Sign
			A. GILLET Quality assurance	
Manufacturing **				
Latin name	<i>Rhodiola rosea</i>			
Part used	Roots			
Approx. Ratio Plant : Extract	Up to assay (8:1)			
Extraction solvent	Ethanol (max. 30%) / Water (min. 70%)			
Additives / Carrier	None			
Batch number	O-1004122-191202	Manufacture Date	2019-12	
		Best Before Date	2022-12	
Properties	Specifications		Results **	
Organoleptic				
Appearance	Fine brownish yellow to reddish brown powder		Complies	
Odor & taste	Characteristic		Complies	
Physical and Chemical **				
Loss on drying	≤ 10%			4.17%
Total ashes	≤ 10%			1.10%
Bulk density	Indicative : approx. 40 ~ 60 g/100mL		59 g/100mL	
Tapped density	Indicative: approx. 60 ~ 90 g/100mL		83 g/100mL	
Particle size	≥ 90% pass through #80 mesh		Complies	
Assay **				
Rosavins	≥ 3% by HPLC		3.07%	
Salidroside	≥ 1% by HPLC		1.37%	
Microbiological*/**				
Total Plate Count	≤ 10 000 CFU/g ***		10 CFU/g	
Yeast and Mould	≤ 100 CFU/g ***		10 CFU/g	
E.coli	Negative		Complies	
Salmonella spp	Negative		Complies	
Contaminants * / **				
Cadmium	≤ 1 ppm			0.0071 ppm
Lead	≤ 3 ppm			0.1514 ppm
Mercury	≤ 0.1 ppm			0.0246 ppm
Arsenic	≤ 1 ppm			0.2409 ppm
Shelf Life	Min. 2 years			
Allergens **	Absence			
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 European Pharmacopoeia VIII^e Edition 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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