

Product Name:	Rhodiola rosea ext. 3% rosavins
Latin Name:	<i>Rhodiola rosea</i>
Batch Number:	RR03F15-1410
Code:	RR03F

ANALYSES

ITEM DESCRIPTION:	SPECIFICATION	TEST METHOD	RESULT
PRODUCT CHARACTERISTICS			
PLANT PART USED	ROOTS	VISUAL	COMPLIES
CARRIER USED	NONE	N/A	COMPLIES
PLANT:EXTRACT RATIO	3 - 5:1	INTERNAL METHOD	COMPLIES
PHYSICAL TESTS			
APPEARANCE	FREE FLOWING POWDER	VISUAL	COMPLIES
COLOR	BROWN	VISUAL	COMPLIES
AROMA	SPECIFIC, ROSE	ORGANOLEPTIC	COMPLIES
FLAVOR	CHARACTERISTIC	ORGANOLEPTIC	COMPLIES
PARTICLE SIZE	100% THROUGH 80 Mesh	US STANDARD SIEVE	COMPLIES
SOLUBILITY IN WATER	≥ 70%	Column Elution/NF T20-045 AFNOR	73.6%
BULK DENSITY	0,6-0,8 (g/cm ³)	USP<616> / EU Pharm. 2.9.34	0,65 (g/cm ³)
CHEMICAL TESTS			
TOTAL ROSAVINS	≥ 3.0%	UPLC-DAD	3,14%
SALIDROSIDE	≥ 1.0%	UPLC-DAD	1,98%
MOISTURE	≤ 7.0%	USP 921	3,58%
ASH	≤ 5.0%	GRAVIMETRY	3,30 %
TOTAL HEAVY METAL	≤ 10 ppm	EU Pharmacopeia 2.4.8	1,03 ppm
TOTAL ARSENIC	≤ 0.5 ppm	ICP-MS /EC 629/2006	0,42 ppm
LEAD	≤ 1.0 ppm	ICP-MS /EC 629/2006	0,41 ppm
CADMIUM	≤ 0.5 ppm	ICP-MS /EC 629/2006	0,19 ppm
MERCURY	≤ 0.1 ppm	ICP-MS /EC 629/2006	< 0.005 ppm
RESIDUAL SOLVENTS	≤ 0.05%	Ethanol - GC-FID/ USP-467 Class3 and European Directive 2009/32/CE	< 0.05%
PESTICIDES	Material complies with USP 561 and European Regulation 396/2005/CE		
CONTAMINANTS	Material complies with European regulation 1881/2006 and amendments setting maximum levels for contaminants in foodstuffs		
MICROBIOLOGICAL TEST			
TOTAL PLATE COUNT	≤ 10000 (cfu/g)	ISO 4833	< 10 (cfu/g)
YEAST & MOLD	≤ 200 (cfu/g)	ISO 7954	170 (cfu/g)
SALMONELLA	ABSENT (cfu/25g)	ISO 6579	ABSENT (cfu/25g)
E. COLI	NEGATIVE (cfu/10g)	EU Pharm. 2.6.13.	NEGATIVE (cfu/10g)
TOTAL COLIFORMS	≤ 10 (cfu/g)	M0042 - Part V. VRB Plate Count	< 10 (cfu/g)
STAPHYLOCOCCUS AUREUS	NEGATIVE (cfu/10g)	EU Pharm. 2.6.13.	NEGATIVE (cfu/10g)
EXTRACTION METHOD	Water: ethanol extraction and freeze dried.		
STORAGE	Original container in a cool, dry place.		
PACKING	25 kg cardboard drums with double PE bags		
COUNTRY OF ORIGIN /MANUFACTURED	Spain		
Non-ALLERGENS/GLUTEN STATEMENT	This product does not contain any of the food allergens cited in the Directive 2000/13/EC, amended by 2003/89/EC, 2006/142/EC, 2007/68/EC		
Non-BSE/TSE STATEMENT	All ingredients in the product are of vegetable origin		
Non-IRRADIATION STATEMENT	This material has not been subjected to irradiation		
Non-GMO STATUS STATEMENT	This product is considered NOT genetically modified or NOT derived from a genetically modified organism as defined by the EC regulations 1830/2003/EC, 1829/2003/EC and any amending legislation.		