

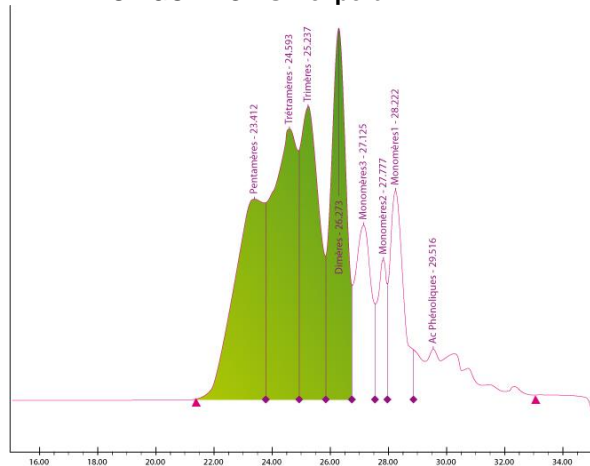
## FRENCH MARITIME PINE BARK EXTRACT

Purextract produces and markets oligopin® PUR'expert, extracted from the french maritime pine bark. Recognized for its purity and its chemical characterization, oligopin® PUR'expert is used in functional foods and dietary supplements.

### CHARACTERISTICS

<b>COMMON NAME</b>	<b>FRENCH MARITIME PINE BARK EXTRACT</b>
<b>BOTANICAL NAME</b>	<b>PINUS PINASTER SOL.</b>
<b>PLANT PART</b>	<b>BARK</b>
<b>DESCRIPTION</b>	<b>BROWNISH POWDER WITH A BITTER ASTRINGENT TASTE</b>
<b>ORIGIN</b>	<b>PINE FROM LES LANDES FOREST, France</b>
<b>N° CAS</b>	<b>90082-75-0</b>
<b>N° EINECS</b>	<b>290-166-2</b>
<b>INCI NAME</b>	<b>PINUS PINASTER EXTRACT</b>
<b>IDENTIFICATION</b>	<b>BATES SMITH REACTION AND UV ABSORBANCE</b>
<b>EXTRACTION RATIO</b>	<b>1000 : 1</b>
<b>COMPOSITION</b>	<b>THE SELECTIVITY OF OUR EXTRACTION PROCESS LEADS TO HIGH CONTENT IN OPC (DIMERS UP TO PENTAMERS)</b>
<b>ALLERGENS</b>	<b>DOES NOT CONTAIN ANY FOOD ALLERGEN LISTED IN THE ANNEX OF DIRECTIVE 2003/89/CE</b>

**GPC CHROMATOGRAM OF OLIGOPIN® PUR'expert**



**COMPOSITION OF OLIGOPIN® PUR'expert (%)**

<b>TOTAL POLYPHENOL CONTENT</b>	<b>&gt; 96</b>
<b>MONOMERS + PHENOLIC ACIDS</b>	<b>30</b>
<b>DIMERS</b>	<b>&gt; 15</b>
<b>OTHER OLIGOMERS</b>	<b>50</b>
<b>PROCYANIDINS CONTENT (GPC)</b>	<b>&gt; 67</b>

<b>ANTIOXYDANT ACTIVITY ORAC VALUE (µMOL TEQ/G)</b>	<b>15000</b>
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### USES

<b>PHYSIOLOGICAL ACTIVITIES</b>	<b>DAILY DOSE RECOMMENDED</b>	<b>APPLICATIONS</b>
<b>CARDIOVASCULAR HEALTH</b> <b>VEINS HEALTH</b> <b>ANTIOXYDANT</b>	<b>BETWEEN 40 and 100 MG</b>	<b>DIETARY SUPPLEMENTS :</b> <b>TABLETS, SOFT GELS</b>
<b>MALE SEXUAL HEALTH</b>	<b>BETWEEN 20 and 50 MG</b>	<b>FUNCTIONAL FOODS : YOGHURTS,</b> <b>SNACK, BEVERAGE, CEREAL</b> <b>BARS...</b>
<b>ADHD (Attention Deficit Hyperactivity Disorder)</b>	<b>25 MG</b>	

## OTHER TECHNICAL DATA

CHARACTERISTICS	UNITS	MINIMUM	MAXIMUM	METHODS
LOSS ON DRYING	%		5.0	PH.EUR.2.2.32
INSOLUBLES IN WATER AT 20°C	%		5.0	DRT 3882
SULPHURIC ASHES	%		0.5	PH.EUR.2.4.14
INSOLUBLES IN THF	%		1	DRT 3884
PH AT 20°C		2.5	4.5	DRT 3302
UV ABSORBANCE AT 281 NM		145	175	PH.EUR.2.2.25
SOLVENT RESIDUE : ETHYL ACETATE	mg/kg		10.00	DRT 1251

MICROBIOLOGY	
TOTAL MICROBIAL COUNT	< 1000 ufc/g
YEAST & MOULD	< 100 ufc/g
ENTEROBACTERIA	< 100 ufc/g
SALMONELLA	Absence/25 g
PSEUDOMONAS AERUGINOSA	Absence/ g
STAPHYLOCOCCUS	Absence/ g
CLOSTRIDIA	Absence/ g
E.COLI	Absence/g
CANDIDA ALBICANS	Absence/g
LISTERIA MONOCYTOGENES	<100 ufc/g

HEAVY METALS	
LEAD	< 3 ppm
ARSENIC	< 0.5 ppm
MERCURY	< 0.1 ppm
CADMIUM	< 1 ppm

OTHER ANALYSIS	
PESTICIDES	Conform with PH.EUR.2.8.13
PCB and DIOXINS	Conform with Regulation EC N°1881/2006
MYCOTOXINES	Conform with Regulation EC N°1881/2006

All details and analytical methods are available on simple request.

## CUSTOM TARIFF

13 02 19

## PACKAGING

The product is available in 1, 5 and 10 kg.

## STORAGE CONDITIONS AND STABILITY

Stable 5 years under normal conditions of temperature, in its original sealed packaging. Room temperature in dry place, protected from air and light.

### Information intended for the professionals

The data herein are based on our knowledge about above product.  
They are without conditions or warranties, expressed or implied regarding the use of the product.

For any further information, please contact :  
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