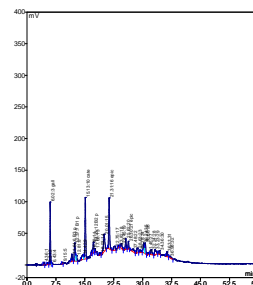


OmniVin WG

>>> Grape Seed Extract OmniVin WG Product data-sheet

OmniVin WG is an extract rich in oligomeric proanthocyanidins prepared from carefully selected grape seeds sourced within Europe. This grade was specially developed for customers requiring high levels of higher molecular weight oligomers in their formulation. If high levels of mono or dimeric proanthocyanidins are required OmniVin 20R should be used instead.

OmniVin WG is a 100 % natural material extracted from renewable plant materials using dedicated strictly controlled European production facilities. No added preservatives or additives are used in the production of OmniVin WG.



Typical OmniVin WG Chromatogram

>>> PROPERTIES^(*)

- Appearance: Red brown powder, free of visible impurities
- Botanical origin: *Vitis vinifera* seed extract
- Tannins (on dry material): min. 95 %
- TEAC Radical Scavenging Capacity: min. 7000 $\mu\text{mol TE/g}$
- Porter value: 200 – 300 PVU
- Moisture: max. 8 %
- Ash content: max. 2 %
- Heavy metals: max 50 ppm

^(*) Only selected data is represented here, for a full set of specifications we refer to our **Specifications** sheet.

>>> USAGE

OmniVin WG has important anti-oxidant and radical scavenging properties and is as such a powerful aid in both cosmetic or nutraceutical formulations. OmniVin WG typically has an ORAC-value of approximately 16000 $\mu\text{mol TE/g}$. As such it is a highly recommended product for application in which the anti-oxidant potential of foods, beverages or supplements must be fortified.

OmniVin WG is used in cosmetic skin-care formulations to impart anti-oxidant and/or anti-ageing effects to lotions or creams. It is also useful as an adjuvant in sun-screen formulations where it can help reduce UV-induced skin damage. Besides strong anti-oxidant and radical scavenging properties grape seed extracts have mild exfoliating and bacteriostatic properties that make these products suitable for anti-acne or other applications involving inflammatory skin.

For labelling purposes according to the INCI name system OmniVin WG should be referred to as Vitis vinifera extract.

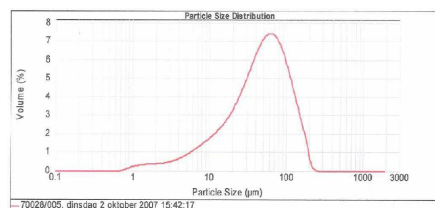
Grape seed extract is widely used as ingredient for supplements supporting the cardiovascular system and the polyphenols contained in them are considered (partially) responsible for the so-called French Paradox. In food supplements grape seed extracts are typically applied in a dosage of 100 – 200 mg/day.

Due to its strong anti-oxidant and complexing properties with both metals and anthocyanidin colorants OmniVin WG can also be used as a powerful aid for colour stabilisation in beverages containing anthocyanidin colorants (e.g. red wine, juices). Due to its natural affinity for anthocyanidins colour stabilisation is obtained.

>>> STORAGE AND HANDLING

OmniVin WG does not require special storage conditions and has a shelf life of min. 5 years if stored in a dry area in its original closed packaging. The product is not frost sensitive and normal ambient storage temperatures (i.e. 5-25°C) suffice.

Due to its granular form OmniVin WG produces little or no dust during handling.



Typical particle size distribution OmniVin WG

>>> PACKAGING

OmniVin WG is available as a granular product in 25 kg fibre drums lined with an inner polyethylene bag.

>>> FURTHER INFORMATION

Further safety information is provided in our **Material Safety Data Sheet**.

Upon simple request a controlled copy of our **Specifications** can be provided by our QC-department.

Information on usage and applications can be found in our **Application fact sheet**. Our R&D department can provide you further detailed information on composition and regulatory status.

Deliveries are accompanied by a **Certificate of Analysis**.

CAS Nr:	84929-27-1
EINECS/ELINCS Nr.	284-511-6

The information provided in this product data sheet is based on the present state of our knowledge. Some of the applications mentioned in this document are protected by patent law. Ajinomoto OmniChem nv/sa cannot be held responsible for patent law infringements and the customer should contact the patent holder if so required. Due to the many process parameters involved we are not able to submit a general recommendation. It only shows without liability on our part the uses to which our products can be put. However, Ajinomoto Omnicem nv/sa cannot be held responsible for the consequences of the application of the above described product.