

**PRODUCT SPECIFICATION***EuroVanillin Supreme*

EuroVanillin Supreme is lignin-based vanillin suitable for food products and fragrances. It consists of white to slightly coloured crystals or powder and has an odour characteristic of vanilla.

**We certify that the product supplied by Borregaard BioVanillin is:**

- Approved for use in food products as flavourings.
- Not treated with ionizing rays.
- Not manufactured from genetically modified raw materials or by genetically modified organisms.
- Not genetically modified and do not contain any genetically manipulated ingredients.
- Suitable for vegans, vegetarians, lacto-vegetarians, ovo-lacto vegetarians, and haemoglobin free diets.
- Defined as a Derived Natural ingredient for cosmetics and personal care according to the International Standard ISO 16128-1.

The product is Kosher and Halal certified.

The product complies with European Council directive 2001/18/EC concerning the deliberate release of genetically modified organisms. The GMO status is in accordance to European Regulation (EC) No 1829/2003 and Regulation (EC) No 1830/2003 concerning traceability of raw materials and labelling.

The above product supplied by Borregaard AS is manufactured and distributed in accordance with relevant regulations regarding food additives, e.g. EU regulation for flavour and hygiene; Regulation (EC) no. 1334/2008 and Regulation (EC) No. 852/2004 and the US Code of Federal Regulations; 21 CFR §§ 172 and 182. The product is routinely analysed with regards to purity.

Borregaard AS meet the requirements FSSC 22000 and our products corresponds to USP/NF, FCC and Eur.Ph.

Parameter	Specification
Physical appearance	Crystals/powder
Colour	White to slightly coloured
Odour	Conforms
Identification (IR)	Conforms to standard
Ethanol solution	Conforms
Purity (GC)	Min 99.9% on dry basis
Residual solvents (GC)	Conforms
Melting point	81-83°C
Loss on drying	Max. 0.5%
Rest on ignition	Max. 0.05%
Colour in ethanol solution	Not more than B6
Sulphuric acid test	Conforms



**Product description - Grades available**

Quality	Code	Physical appearance	Fractionated by the following screens		Packaging units	Material no.
			Microns	Mesh		
<i>EV Supreme Crystals</i>	<i>FCL</i>	<i>Crystals</i>	< 840	< 20	25 kg <sup>1</sup> 1 kg <sup>2</sup> 400 kg <sup>3</sup>	100696 100698 100697
<i>EV Supreme Super Flow</i>	<i>FSL</i>	<i>Crystals</i>	250-840	60-20	25 kg <sup>1</sup> 1 kg <sup>2</sup>	100699 100698
<i>EV Supreme Fine Crystals</i>	<i>FBL</i>	<i>Crystals</i>	< 250	> 60	25 kg	100702
<i>EV Supreme Milled Powder</i>	<i>FML</i>	<i>Milled powder</i>	Specification Max 0.2% > 250 Max 2.0% < 160		15 kg	107511

**Additional information**

The microbiological load and content of heavy metals and other elements are routinely tested on a random selection of batches. See the fact sheet for more information.

**Storage**

Store dry in original unopened containers at a controlled ambient temperature.  
Preferred RH: below 60%.

**Shelf life**

Provided the product is stored as advised, it has a "use by date" of 5 years from the date of production.

**Packaging**

EuroVanillin Supreme is packaged as follows: An inner heat-sealed PE bag containing 25 (FC, FS and FB) or 15 (FM) kg product placed in a cardboard box sealed with tamperproof logo tape. There are 16 boxes per pallet and one pallet is 400 kg. EuroVanillin Supreme is also packaged in 1 kg tins lined with paper/PE bags (FC, FS).

**Handling precautions**

Please see Safety Data Sheet (SDS) for further information.

**Labelling***Europe*

- When not intended for sale to the final consumer, this product shall be labelled as "flavouring" or a more specific name or description of the flavouring e.g. "vanillin" according to Regulation (EC) No 1334/2008

*USA*

- The product shall be labelled as "vanillin" or "artificial vanillin flavour" when shipped to a food manufacturer or processor (but not a consumer) for use in the manufacture of a fabricated food, according to CFR101.22(g)

**Country of origin**

Norway



**Useful numbers**

CAS No.: 121-33-5, EINECS No.: 204-465-2, FEMA no: 3107, FDA GRAS: §182.60 (CFR), Council of Europe No.: 107, FL no 05.018. HS-code: 29.12.4100. REACH registration number: 01-2119516040-60-0001.

**Disclaimer**

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