BORREGAARD AS
Borregaard Ingredients
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EuroVanillin Plus
Doc. No.: EVMS-04-06.018 4
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Borregaard Ingredients

Fact sheet EuroVanillin Plus

105301 Plus & 106173 Plus F

The above products supplied by Borregaard Ingredients

- are manufactured/distributed in accordance with relevant regulations regarding food additives, e.g. the EU regulative 1334/2008(EC) (the flavour dir.), 93/43/EEC (the hygiene dir.) and other relevant EU guidelines.
- are not genetically manipulated.
- are not manufactured from genetically modified raw materials.
- are not manufactured by means of genetically modified organisms.
- do not contain any genetically manipulated components.
- are not treated by ionising rays.
- are Kosher
- are Halal
- are suitable for vegetarians, lacto-vegetarians, ovo-lacto vegetarians, and haemoglobin free diets.
- are routinely analysed with regard to purity.

Nutritional declaration

Analysis	**Per 100 g**
Water	< 1,0 g
Energy	640 kcal/2680 kJ
Protein	0 g
Carbohydrates[1]	38 g
Fat[2]	0 g
Cholesterol	0 g
Alcohol	0 g
Sulphated ash	< 0.05 g
Organic acids[3]	0 g
Dietary fibres	0 g
Vitamins	Absent

1) Including sugar alcohols (polyols).
2) Fat is defined as the sum of lipid fatty acids expressed as triglycerides.
3) Tartrate, molate, isocitrate, citrate, lactate, ascorbate, acetate, fumerate, propionate, galaktate, succinate.

Solubility

Solubility of EuroVanillin Plus, approximate values in g/l										
Temperature °C	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**50**	**80**
Water	5	6	8	10	15	20	30	35	50	80
Propylene glycol				350	400	450	500	540	625	

Minerals and other elements

Element	Specification	Method
Aluminium (Al)	< 5 ppm	ICP
Arsenic (As)	< 0.05 ppm	AAS-graphite
Calcium (Ca)	< 5 ppm	ICP
Cadmium (Cd)	< 0.5 ppm	ICP
Chromium (Cr)	< 0.5 ppm	ICP
Copper (Cu)	< 0.5 ppm	ICP
Iron (Fe)	<0.5 ppm	ICP
Mercury (Hg)	< 0.1 ppm	AAS-c.v.
Potassium (K)	< 15 ppm	ICP
Magnesium (Mg)	< 2 ppm	ICP
Manganese (Mn)	< 0.5 ppm	ICP
Molybdenum (Mo)	< 5 ppm	ICP
Sodium (Na)	< 150 ppm	ICP
Nickel (Ni)	< 0.5 ppm	ICP
Phosphorus (P)	< 5 ppm	ICP
Lead (Pb)	< 1 ppm	ICP
Selenium (Se)	< 0.1 ppm	AAS-graphite
Zinc (Zn)	< 0.5 ppm	ICP
Chloride (Cl)	< 100 ppm	XRF
Iodine (I)	< 10 ppm	XRF
Sulphur (S)	< 50 ppm	XRF

Analysed twice a year.
ICP=atom emission spectroscopy, AAS=atom absorption, XRF=x-ray fluorescence
The sign < (less than) indicates the detection limit of the method used.

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Microbiological Content.

Analysis	**Unit**	**Limit**	***Method***
Total plate count [1)]	CFU/g	< 100	*NMKL 86*
Aerobic spores [1)]	CFU/g	< 10	*SLB7.02*
Anaerobic spores [1)]	CFU/g	< 10	*KIM Intern*
Moulds	CFU/g	< 10	*M084CA*
Yeasts	CFU/g	< 10	*M084AA*
Enterobacteriaceae	CFU/g	< 10	*M026AA*
Colif. Bact.	CFU/g	< 10	*M040AA*
B. Cereus	CFU/g	< 100	*M013AA*
Thermof. coli	CFU/g	< 10	*M079AA*
Sulphite reducing Clostridia spores	CFU/g	< 10	*M019BF*
Enterococcus	CFU/g	< 100	*M025AA*
Listeria sp.	Per 25 g	Absent	*M096IB*
Salmonella	Per 25 g	Absent	*M068AA*
Staphylococcus aureus	*Per 10 g*	*Absent*	*M026AA*

1) Analysed once a month, the other analysis are carried out twice a year. (all according to recommendations from the Norwegian Health Authorities

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