



Technical Data Sheet

FM Bitterorange P.E. 45% Flavonoide, 20% Naringin, Neohesperidin 10%

PRODUCT INFORMATION

Name	FM Bitterorange P.E. 45% Flavonoide, 20% Naringin, Neohesperidin 10%		
Product ID	27142		
Botanical Name	Citrus Aurantium L	Extraction solvent	Water
Part Used	Dried Immature Fruit	CE No.:	136
Origin	China		

FEED ADDITIVE

Category	2 Sensory additives	Code	2b136-ex
Functional group	2b) Flavouring compounds	Subclassification	Flavouring compounds

Restrictions

The feed additive is authorised to be used in the following animal category(ies):
All animal species except dogs, cats, ornamental fish and ornamental birds
Expiry date of authorisation: 11/05/2032

- The additive shall be incorporated into the feed in the form of a premixture.
- In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.
- On the label of the additive the following shall be indicated:
'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %:
– Chickens for fattening and minor poultry species for fattening: 102 mg;
– Laying hens and minor poultry species for laying or breeding: 151 mg;
– Turkeys for fattening: 136 mg;
– Piglets of all Suidae species: 182 mg;
– All Suidae for fattening: 217 mg;
– Sows of all Suidae species: 268 mg;
– Dairy ruminants other than dairy sheep and dairy goats: 259 mg;
– Calves (milk replacer), sheep, goats, other ruminants for fattening, horses, salmonids and all other fin fish: 400 mg;
– Rabbits: 161 mg;
– Other animal species and categories except dogs, cats, ornamental fish and ornamental birds: 102 mg'.
- The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.
- Mixture of bitter orange extract with other botanical additives is permitted provided that the amounts of 5-methoxypsoralen and (-)-synephrine in feed materials and compound feed are lower than the ones resulting from the use of a single additive at the maximum or recommended level for the species or animal category.
- The mixture of bitter orange extract from the fruit of Citrus x aurantium L. with other authorised additives obtained from Citrus aurantium L. shall not be allowed in feedingstuffs.
- For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal skin, eye and breathing protective equipment.

ITEM	SPECIFICATION	METHOD
Flavonoids Assay	≥45.0%	HPLC
Naringin Assay	≥20.0%	HPLC
Neohesperidin Assay	≥10.0%	HPLC
Identification	Positive	HPLC
Appearance	Light Tan to Brown Yellow Fine	Visual
Odor&Taste	Characteristic	Visual&Taste
Particle Size	100%Through 80 Mesh	USP<786>
Loss on Drying	≤6.0%	CP2015
Residue on ignition	≤4.0%	CP2015

*The color may vary

STATEMENTS

Quality and Safety	Feed Grade (for pet food only, not intended for human consumption), Feed Additive 2b	
Feed	Registration according to Art. 9 Reg. (EC) 1831/2003 Feed hygiene Reference number: no.: V 1203/ 592-02.36/4	Ref.
Responsible person	Dirk Brauns	



PLANTS 2 MARKET

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STATEMENTS

Hazard	Not dangerous in accordance with EU regulation (EC) No 1272/2008
Contaminants	According to Reg. 2002/32/EC on undesirable substances in animal feed
Preservative	Preservative Free
Microbiology	Bacterial Count: TAMC-Bacteria: <1,000 cfu/g, TYMC: <100 cfu/g, Salmonella: negative/10g, E. Coli: negative/10g, S. Aureus: negative/10g
GMO	GMO Free
ETO	ETO free
Vegan	Conform
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation
BSE/TSE	Risk Free BSE/TSE
Nanomaterials	Absent
Titanium dioxide	Absent
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

STORAGE AND HANDLING

Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	2 years if sealed and properly stored
Document status template	3.7.2025
Issue date	5.8.2025

All above information according to the manufacturer / supplier

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