

ExM DarkPow 1x(20kg)AU

Wander Material Code	2171379	Version	Status	Date of approval	Expiry Date
HG Code	MP414	4	4 - Approved	20/12/2020	19/12/2023

1. Manufactured product specification Details

Wander Material Name	ExM DarkPow 1x(20kg)AU
Wander Material Code	2171379
Long Text	Malt extract dry without Diastase dark 20kg BINTANI
Ingredient List	BARLEY, BARLEY malt.
Preparation instructions	

2. General information

Contact		
Wander AG Fabrikstrasse 10 3176 Neuenegg, Switzerland	Departement QA	QM@wander.ch

3. Legal status and details

3.1 Declaration details	
Declaration in accordance with local food regulation	Barley malt extract
Declaration in accordance with the EU regulation	Barley malt extract
E-Number (s)	

Country of origin	Switzerland
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6. Allergenic content

	Contains in recipe	Cross-contamination	Source of data	Max content when available
Cereals containing Gluten	Yes		internal requirement	
Barley	Yes		internal requirement	
Wheat	No	No	internal requirement	
Spelt	No	No	internal requirement	
Other Triticum species such as Kamut	No	No	internal requirement	
Rye	No	No	internal requirement	
Oat	No	No	internal requirement	
Eggs and egg products	No	No	internal requirement	
Peanuts (including oil)	No	No	internal requirement	
Soya (flour, protein, lecithin and oil)	No	No	internal requirement	
Milk and milk products (excl. Lactose)	No	No	internal requirement	
Lactose	No	No	internal requirement	
Nuts	No	No	internal requirement	
Almonds	No	No	internal requirement	
Hazelnuts	No	No	internal requirement	
Walnuts	No	No	internal requirement	
Cashew nuts	No	No	internal requirement	

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Pecan nuts	No	No	internal requirement	
Brazil nuts	No	No	internal requirement	
Pistachio	No	No	internal requirement	
Macadamia nuts	No	No	internal requirement	
Celery or celery products	No	No	internal requirement	
Mustard	No	No	internal requirement	
Sesame (including oil)	No	No	internal requirement	
Sulphites (from 10mg/kg)	No	No	internal requirement	
Lupine (flour, protein)	No	No	internal requirement	
Fish and fish products	No	No	internal requirement	
Crustacea	No	No	internal requirement	
Molluscs and products thereof	No	No	internal requirement	
Caffeine	No	No	internal requirement	
Honey	No	No	internal requirement	
Meat & derivates	No	No	internal requirement	
Animal fat (except butter)	No	No	internal requirement	
Butter	No	No	internal requirement	
Yeasts and autolysed yeasts	No	No	internal requirement	
Aspartame	No	No	internal requirement	
Umbelliferae	No	No	internal requirement	
Coriander	No	No	internal requirement	
Garlic	No	No	internal requirement	
Glutamate (E620- E625)	No	No	internal requirement	
Glutamates	No	No	internal requirement	
Theobromine (Cocoa)	No	No	internal requirement	
BHA/ BHT (E320 + E321)	No	No	internal requirement	
Benzoic acid (E210- E213)	No	No	internal requirement	
Parabens (E214 - E219)	No	No	internal requirement	
Azo dye (E102, E104 , E110, E120, E122, E123, E124, E129, E131, E132, E151, E154, E155)	No	No	internal requirement	

7. Nutritional Information per 100g Product

7.1 Basic Nutritionals				
	Declared	Min.	Max.	
Energy (kcal)	383.00			
Energy (kJ)	1627.00			
Fat (g)	0.10	0.08	0.20	
Carbohydrate (g)	90.90			
from glucose (g)	4.10	3.30	4.90	
from fructose (g)	0.80	0.60	1.00	
from maltose (g)	44.00	35.00	52.00	
from maltotriose (g)	8.50	6.80	10.20	
from sucrose (g)	1.00	0.80	1.20	
Sum of mono- and disaccharides (g)	49.90	39.90	59.90	
Fibres (g)	1.30	1.00	1.60	
soluble fibres (g)				

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	Declared	Min.	Max.
insoluble fibres (g)			
Protein (g)	4.00	3.00	6.50
milk protein (g)			
Water (g)	2.00	1.00	3.00
Salt (g)	0.02		
Ash (g)	1.70	1.50	1.90

7.3 Minerals			
	Declared	Min.	Max.
Sodium (g)	0.006	0.005	0.010
Potassium (g)		0.540	0.660
Calcium (g)		0.016	0.024
Magnesium (g)		0.060	0.090
Phosphorus (g)		0.214	0.320

9. Chemical and Physical analysis

9.1 Physical state	solid (powder. granules)
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9.2 Chemical and physical analysis							
Analysis	Method	Target Value	Limit Min	Limit Max	Incl in CA	Control Frequency	Source of data
Dry matter (g/100g)		98.00	97.0	99.0		Checked every batch	analysed
pH	10% solution	5.50	5.0	6.0	Yes	Checked every batch	analysed
Bulk volume not comp. (ml/100gr)		300.00	280.0	320.0	No	Checked every batch	analysed
Bulk volume compact (ml/100gr)		190.00	170.0	210.0	No	Checked every batch	analysed
Brix (°)	10% solution	10.00	8.0	12.0	No	Checked every batch	analysed
Color (EBC)	10% solution	100.00	90.0	110.0	Yes	Checked every batch	analysed
Diastatic activity	°WK			11.0	No	Examined only if necessary	analysed
Acid value (mg KOH/g)	(ml/100g) 1n NaOH	12.00		20.0	No	Checked every batch	analysed
Water activity / aw-value	PV00451	0.203					

Additional comments:	Malt extract powder is very hygroscopic!
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10. Organoleptic attributes

	Method	Target value/description	Incl in CA	Control frequency	Source of data
Appearance / color		dark brown, homogeneous powder	Yes	Checked every batch	internal requirement
Odour		pure malty	Yes	Checked every batch	internal requirement
Taste		sweet, slightly bitter, typical malty	Yes	Checked every batch	internal requirement
Texture / consistency		powder, very hygroscopic	No	Checked every batch	internal requirement

Additional comments:	
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11. Microbiology

	Method	n	c	m	M	Control frequency	Incl. in CA
Total viable count (Cfu/g)	ISO 4833	5	2	3000	10000	Checked every batch	Yes
Moulds (Cfu/g)	ISO 21527	5	2	100	500	Checked every batch	Yes
Yeasts (Cfu/g)	ISO 21527	5	2	100	500	Checked every batch	Yes
Escherichia coli (Cfu/g)	ISO 16649	5	1	1	3	Examined only if necessary	No
Enterobacteria (Cfu/g)	ISO 21528-2	5	1	1	10	Checked every batch	Yes
Bacillus cereus (Cfu/g)	ISO 7932	5	1	100	1000	Checked every batch	Yes
Salmonella	ISO 6579, neg. in 100 g	5	0	0	0	Checked every batch	Yes
Additional comments:							

n: Number of sample units analyzed

c: Maximum number of sample units with unsatisfactory test results

m: Level that separates acceptable quality from marginally acceptable or unacceptable quality

M: Level above which is unsatisfactory or requires further investigation

NOTE: For all unmentioned organisms the legal tolerance or limiting values of the local Food Legislation have to be applied!

13. Dietary Suitability

	Yes / No	Standard, Certifying Body
Vegetarian	Yes	
Halal certified	Yes	Halal Certification Services
Halal certifiable	Yes	
Kosher certified	Yes	
Kosher certifiable	Yes	
Hindu suitable (Free from animal fats, beef, pork and eggs)	Yes	
Sikh suitable (free from pork, alcohol and rennet. Animals must be slaughtered in the Jakta way)	Yes	

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Vegan	The products of Wander are not specifically developed for vegan diet.
Organic	not suitable for ORGANIC products

14. Chemical contaminants and heavy metals

14.1 Chemical contaminants		
	Control Frequency	Source of data
Pesticides	according to local legislation	Food legislation
Mycotoxins	according to local legislation	Food legislation

14.2 Heavy Metals				
	Value (mg/kg)	Limit (mg/kg)	Control Frequency	Source of data

14.3 Comments	
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15. Foreign bodies and further contaminants

15.1 Foreign bodies	
Is the product checked for foreign bodies?	Yes

15.2 Irradiation	
	Yes/No
Do raw materials undergo an ionization treatment?	No
If yes: is the treatment granted by the local authorities?	

15.3 Dioxin		
	Yes/No	Specify which
Can the supplier ensure that the product is DIOXIN-FREE?	Yes	
With analysis?	No	
Other guarantees?	No	
Which?		

15.4 Melamine and cyanuric acid		
	Yes/No	Specify which
Can the supplier ensure that the product is melamine and/or CYANURIC ACID-FREE?	Yes	
With analysis?	No	
Other guarantees?	No	
Which?		

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16. Information about GMO**16.1 General information about GMO**

The product is GMO-FREE

The supplier ensures that the delivered product is GMO free according to Swiss legislation, in particular in the ordinance LGV 2016, Art. 30-34 and 37 and according to EC-Regulation No 1829/2003 and 1830/2003 on genetically modified food and feed.

17. Shelf life

Shelf life and storage conditions from production date			
Time (months)	Temperature (°C)	Rel Humidity (rH)	Packing material
18	15°C-25°C	<75% rH	paper bags with PE inliner

Remarks	
Packing units	Bag à 20 kg