

EMMA 23**Complete feed
for MICE and RATS****DESCRIPTION**

Complete feed for MICE and RATS
ENERGY RICH - ENHANCED BREEDING
Shape: pellet 12 mm

INGREDIENTS

(Listed in descending order of inclusion)

Wheat, Wheat middlings, Soybean meal extracted toasted, Fish meal, Maize, Whey powder, Maize gluten, Corn gluten feed, Soybean oil, Yeasts, Casein powder, Calcium carbonate, Sodium chloride, Mineral dicalcium phosphate

DIRECTION FOR USE

Administer the dry product *ad libitum* to mice and rats, with drinking water always available

ADDITIVES

Choline Chloride, D,L-Methionine, L-Lysine, Vitamins and Oligominerals

STORAGE

Keep cool and dry

**Contact MUCEDOLA
for further details**

Contact Person Dr. Elisabetta Mucedola
(Technical Manager)
Tel. +39 02 48915581
Fax +39 02 48915695
e-mail elisabetta@mucedola.it
Website www.mucedola.it

PACKAGING and SHELF LIFE

Paper bags kg 12.5	9 months from DOM (Date of Manufacture)
Vacuum packed kg 20 (4 x kg 5) kg 10 (2 x kg 5)	24 months from DOM (Date of Manufacture)
Irradiated Vacuum packed kg 20 (4 x kg 5) kg 10 (2 x kg 5)	24 months from DOM (Date of Manufacture)



Proximate Analysis

	U.M	Typical Analysis
Moisture	%	12.00
Crude Protein	%	23.50
Crude Oil	%	8.50
Crude Fibre	%	2.50
Ash	%	5.00
NFE	%	48.50

Carbohydrates

	U.M	NATURAL	ADDED	TOTAL
Starch	%	35.92	-	35.92
Sucrose	%	2.86	-	2.86

Energy

	U.M	TOTALE
Gross Energy	kJ/kg	18060
	kCal/kg	4321
Metabolisable Energy	kJ/kg	13574
	kCal/kg	3247
Atawater Fuel Energy	kJ/g	15.24
	kCal/g	3.65

Amino Acids

	U.M	NATURAL	ADDED	TOTAL
Arginine	%	1.14	-	1.14
Lysine	%	1.16	0.14	1.30
Methionine	%	0.51	0.06	0.57
Cystine	%	0.41	-	0.41
Tryptophan	%	0.27	-	0.27
Histidine	%	0.59	-	0.59
Threonine	%	0.84	-	0.84
Isoleucine	%	1.01	-	1.01
Leucine	%	2.13	-	2.13
Phenylalanine	%	1.08	-	1.08
Valine	%	1.21	-	1.21
Tyrosine	%	0.88	-	0.88
Glycine	%	1.06	-	1.06
Serine	%	1.08	-	1.08

Fatty Acids

Saturated Fatty Acids	U.M	TOTAL
C12:0 Lauric	%	0.023
C14:0 Myristic	%	0.066
C16:0 Palmitic	%	0.692
C18:0 Stearic	%	0.196
Mono-unsaturated Fatty Acids	U.M	TOTAL
C16:1 Palmitoleic	%	0.046
C18:1 ω9 Oleic	%	0.989
Poly-unsaturated Fatty Acids	U.M	TOTAL
C18:2 ω6 Linoleic	%	2.201
C18:3 ω3 Linolenic	%	0.339

Mineral and Trace Elements

	U.M	NATURAL	ADDED	TOTAL
Ca	%	0.47	0.25	0.72
Total P	%	0.58	0.01	0.59
Na	%	0.10	0.18	0.28
Cl	%	0.08	0.27	0.35
K	%	0.55	-	0.55
Mg	%	0.15	-	0.15
Fe	mg/kg	112.52	200	312.52
Cu	mg/kg	12.21	13	25.21
Mn	mg/kg	28.63	60	88.63
Zn	mg/kg	35.63	75	110.63
I	µg/kg	55	1000	1055
Se	µg/kg	349	-	349

Vitamins

	U.M	NATURAL	ADDED	TOTAL
VIT A	IU/kg	684.73	19200	19884.73
VIT D3	IU/kg	-	1680	1680
VIT E	mg/kg	14.64	126	140.64
VIT B1 Thiamine	mg/kg	5.43	17.99	23.42
VIT B2 Riboflavin	mg/kg	2.04	8.99	11.03
VIT B6 Pyridoxine	mg/kg	3.41	7.98	11.39
VIT B12 Cyanocobalamin	µg/kg	36.48	36	72.48
VIT K Menadione	mg/kg	0.02	3.72	3.74
Folic Acid	mg/kg	0.37	2.56	2.93
Nicotinic Acid	mg/kg	48.77	73.44	122.21
Pantothenic Acid	mg/kg	10.73	19.17	29.90
Choline	mg/kg	1268	1500	2768
Biotin	µg/kg	410	372	782
Inositol	mg/kg	219	-	219

NATURAL: Nutrient data represent the best information available; they have been calculated from published values and from analytical testing of raw materials and finished product.

The values could vary due to the natural variations in the ingredients and process.

ADDED: Supplements of amino acids, vitamins, and minerals

TOTAL: The calculated values

ATAWATER FUEL ENERGY (kcal/g) = [(Crude Oil% x 9) + (Crude Protein% x 4) + (NFE% x 4)]/100

