

# SAFE® U8958 Version 174

## Definition

MCD SAFE Sucrose  
Methionin & Cholin controlled custom diet for NASH models. Diet for Rats & Mice

## Product Purpose

To be used within the context of experimental protocols.



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Picture indicative only

## Directions for Use

### DISTRIBUTION

#### Period

According to the experimental protocol. A transition period to SAFE custom diet during weaning is recommended.

#### Method

- Ad libitum or rationed according to experimental protocols.
- Remove from the packaging and place directly in the cage dieting dish or on the cage floor.

### DAILY CONSUMPTION

Varies depending on species, strain, weight and age. Rats 18 to 25 g, mice 3 to 6 g, hamsters 8 to 12 g.

### STORAGE

Store in a clean, and dry place, at 4°C, protected from light.

### SHELF-LIFE from the date of production

Bucket or Bag: 6 months

## Irradiation

Possible doses: Minimum 10, 25 or 40 kilograys.  
This Custom Diet is Not Autoclavable.

## Product Form

PELLETS	Mean
Diameter	10-12 mm
Crushing resistance	> 5 kgf/cm <sup>2</sup>
Abrasion resistance	> 90 %
Specific mass	~ 600 g/l
Average pellet weight	- g
Average pellet length	- mm

They are available powdered on demand.

## Product Presentation

\*All SAFE® diets are available with different packaging, irradiation and with analytical data on demand.

Selected solutions of the most sold items from the SAFE® portfolio.

DIET	STANDARD PACKAGING		USUALLY AVAILABLE WITH IRRADIATION DOSE
SAFE® U8958 v. 174*	2kg	Bucket, Vacuum packed and boxed	Min. 10 kGy, Min. 25 kGy
SAFE® U8958 v. 174*	1kg	Bucket, Vacuum packed and boxed	Min. 25 kGy

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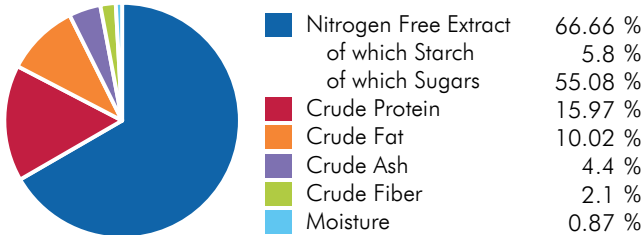
### Ingredients

Sucrose, corn oil, pre-mixture of minerals PM 205B, maltodextrin, L-glutamic acid, crude cellulose, L-lysine, glycine, L-arginine, L-leucine, L-isoleucine, L-valine, L-threonine, L-phenylalanine, L-asparagine, L-tyrosine, L-histidine, L-alanine, L-aspartic acid, L-cystine, L-proline, L-serine, L-tryptophan, vitamin e, inositol, nicotinic acid, para-amino-acid ben, vitamin b12, vitamin k3 mnb, vitamin a, folic acid, vitamin b1 thiamin, riboflavin, vitamin b6 pyridoxine, vitamin b5, vitamin d3, vitamin c, biotin.

### CENTESIMAL COMPOSITION

Vitamins & Minerals	7.1 %
Forages & Fibers	3.0 %
Amino Acids	17.6 %
Carbon Hydrates	62.31 %
Oils & Fats	10 %

### NUTRITIONAL COMPOSITION



### ENERGY CONTENT

	MJ/kg	kcal/kg	%
ME Pig	17.4	4160.0	
ME Atwater	17.6	4206.8	
Energy from proteins	2.7	638.9	15.2
Energy from lipids	3.8	901.6	21.4
Energy from NFE	11.2	2666.3	63.4

More information on energy calculation: [www.safe-lab.com](http://www.safe-lab.com)

### Theoretical Calculated Values

#### TOTAL PER KG

#### AMINO ACIDS

Arginine	11 829 mg	Methionine	32 mg
Cystine	3 464 mg	Tryptophan	1 795 mg
Lysine	18 057 mg	Glycine	22 655 mg

#### FATTY ACIDS

Palmitic acid	10 900 mg	Sum SFA	13 195 mg
Stearic acid	1 795 mg	Sum UFA	82 460 mg
Palmitoleic acid	500 mg	Sum MUFA	26 000 mg
Oleic acid	25 500 mg	Sum PUFA	56 460 mg
LA	55 500 mg	Cholesterol	1.9 mg
ALA	960 mg		
Sum n-3	960 mg		
Sum n-6	55 500 mg		

#### MINERALS

	END PRODUCT
Calcium	7 639 mg
Phosphorus	5 458 mg
Sodium	2 761 mg
Potassium	3 773 mg
Magnesium	1 240 mg
Manganese	547 mg
Iron	109 mg
Copper	88 mg
Zinc	311 mg
Chlorine	12 134 mg

#### VITAMINS

	END PRODUCT
Vitamin A	20 424 IU
Vitamin D3	2 500 IU
Vitamin E	214 IU
Vitamin K3	17 mg
Vitamin B1	20 mg
Vitamin B2	15 mg
Vitamin B3	112 mg
Vitamin B5	6.9 mg
Vitamin B6	10 mg
Vitamin B9	35 mg
Vitamin B12	0.050 mg
Biotin	0.99 mg
Vitamin C	< 10 mg

#### SUGARS

Glucose	< 0.5 %
Sucrose	54 %

For the welfare of animals SAFE® bedding and environmental enrichment such as SAFE® block gnawing logs and SAFE® nesting materials should be available in the cage.

The values of the end products are given as indication only and have no contractual value. They are theoretical calculated values of the diet formula without considering values from customer's compounds. Depending on production conditions, storage and analytical methods variations may occur. An analysis is performed on request.

Produced in France