

# SAFE® U8958 Version 311

## Definition

MCD AIN HF 2g Meth. 2g Choline  
Methionin & Cholin controlled custom diet for NASH models. Diet for Rats & Mice

## Product Purpose

To be used within the context of experimental protocols.

## 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.
- Replace preferably 3 times a week.

### 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

## 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. 311*	2kg	Bucket, Vacuum packed and boxed	Min. 10 kGy, Min. 25 kGy
SAFE® U8958 v. 311*	1kg	Bucket, Vacuum packed and boxed	Min. 25 kGy



SAFE® U8958 Version 311

Picture indicative only

## 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	- %
Specific mass	~ 600 g/l
Average pellet weight	- g
Average pellet length	- mm

They are available powdered on demand.

## SAFE® U8958 Version 311

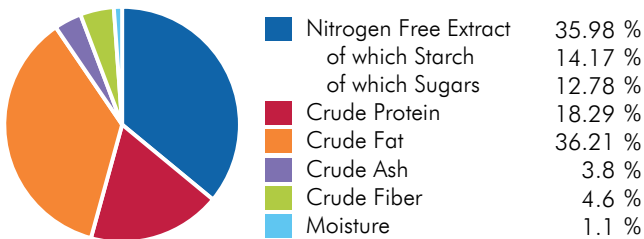
### Ingredients

Lard, maltodextrin, sucrose, crude cellulose, L-glutamic acid, pre-mixture of minerals PM AIN 93M\_G 3,5%, soybean oil, L-proline, L-lysine, L-leucine, L-aspartic acid, L-serine, pre-mixture of vitamins PV AIN 93M\_G 1%, L-valine, L-tyrosine, L-phenylalanine, sodium bicarbonate, L-isoleucine, L-threonine, L-arginine, L-alanine, L-histidine, L-cystine, choline bitartrate, potassium citrate, glycine, L-tryptophan, DLmethionine.

### CENTESIMAL COMPOSITION

Vitamins & Minerals	7.8 %
Forages & Fibers	6.6 %
Amino Acids	23.55 %
Carbon Hydrates	25.71 %
Oils & Fats	36.33 %

### NUTRITIONAL COMPOSITION



### ENERGY CONTENT

	MJ/kg	kcal/kg	%
ME Pig	21.1	5050.4	
ME Atwater	22.7	5429.5	
Energy from proteins	3.1	731.6	13.5
Energy from lipids	13.6	3258.6	60.0
Energy from NFE	6.0	1439.2	26.5

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

### Theoretical Calculated Values

#### TOTAL PER KG

#### AMINO ACIDS

Arginine	7 742 mg	Methionine	2 090 mg
Cystine	5 488 mg	Tryptophan	2 772 mg
Lysine	16 380 mg	Glycine	3 940 mg

#### FATTY ACIDS

Palmitic acid	83 087 mg	Sum SFA	132 789 mg
Stearic acid	44 795 mg	Sum UFA	210 375 mg
Palmitoleic acid	9 963 mg	Sum MUFA	150 511 mg
Oleic acid	138 897 mg	Sum PUFA	59 864 mg
LA	48 384 mg	Cholesterol	281 mg
ALA	5 867 mg		
Sum n-3	5 867 mg		
Sum n-6	53 997 mg		

#### MINERALS

	END PRODUCT
Calcium	6 296 mg
Phosphorus	2 607 mg
Sodium	4 203 mg
Potassium	6 295 mg
Magnesium	819 mg
Manganese	14 mg
Iron	69 mg
Copper	6.9 mg
Zinc	45 mg
Chlorine	5 928 mg

#### VITAMINS

	END PRODUCT
Vitamin A	5 785 IU
Vitamin D3	1 625 IU
Vitamin E	109 IU
Vitamin K3	8.0 mg
Vitamin B1	7.8 mg
Vitamin B2	7.5 mg
Vitamin B3	45 mg
Vitamin B5	20 mg
Vitamin B6	9.1 mg
Vitamin B9	2.6 mg
Vitamin B12	0.033 mg
Biotin	0.26 mg
Choline	2 062 mg

#### SUGARS

Glucose	< 0.5 %
Sucrose	11 %

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