

SAFE® U8958 Version 312

Definition

MCD AIN Normal Fat
Methionin & Cholin controlled custom diet for NASH models. Diet for Rats & Mice

Product Purpose

To be used within the context of experimental protocols.



SAFE® U8958 Version 312

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 ²
Abrasion resistance	> 80 %
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. 312*	2kg	Bucket, Vacuum packed and boxed	Min. 10 kGy, Min. 25 kGy
SAFE® U8958 v. 312*	1kg	Bucket, Vacuum packed and boxed	Min. 25 kGy

SAFE® U8958 Version 312

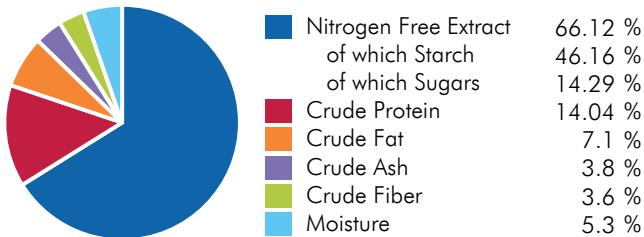
Ingredients

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

CENTESIMAL COMPOSITION

Vitamins & Minerals	7.3 %
Forages & Fibers	5.0 %
Amino Acids	17.67 %
Carbon Hydrates	63.03 %
Oils & Fats	7.0 %

NUTRITIONAL COMPOSITION



ENERGY CONTENT

	MJ/kg	kcal/kg	%
ME Pig	15.8	3782.6	
ME Atwater	16.1	3847.0	
Energy from proteins	2.4	561.6	14.6
Energy from lipids	2.7	640.6	16.7
Energy from NFE	11.1	2644.9	68.8

More information on energy calculation: www.safe-lab.com

Theoretical Calculated Values

TOTAL PER KG

#N/A

Arginine	5 880 mg	Tryptophan	2 079 mg
Cystine	4 116 mg	Glycine	2 955 mg
Lysine	12 698 mg	#N/A	#N/A ##

FATTY ACIDS

Palmitic acid	7 420 mg	Sum SFA	10 325 mg
Stearic acid	2 555 mg	Sum UFA	55 790 mg
Palmitoleic acid	350 mg	Sum MUFA	13 370 mg
Oleic acid	13 020 mg	Sum PUFA	42 420 mg
LA	37 030 mg	Cholesterol	1.1 mg
ALA	5 390 mg		
Sum n-3	5 390 mg		
Sum n-6	37 030 mg		

MINERALS

	END PRODUCT
Calcium	6 334 mg
Phosphorus	2 679 mg
Sodium	4 579 mg
Potassium	6 324 mg
Magnesium	823 mg
Manganese	14 mg
Iron	69 mg
Copper	6.9 mg
Zinc	45 mg
Chlorine	4 964 mg

VITAMINS

	END PRODUCT
Vitamin A	6 437 IU
Vitamin D3	1 625 IU
Vitamin E	106 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

SUGARS

Glucose	< 0.5 %
Sucrose	13 %

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