

SAFE® U8958 Version 314

Definition

MCD AIN 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.

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. 314* | 2kg | Bucket, Vacuum packed and boxed | Min. 10 kGy, Min. 25 kGy |
| SAFE® U8958 v. 314* | 1kg | Bucket, Vacuum packed and boxed | Min. 25 kGy |



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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 ² |
| Abrasion resistance | > 80 % |
| Specific mass | ~ 600 g/l |
| Average pellet weight | - g |
| Average pellet length | - mm |

They are available powdered on demand.

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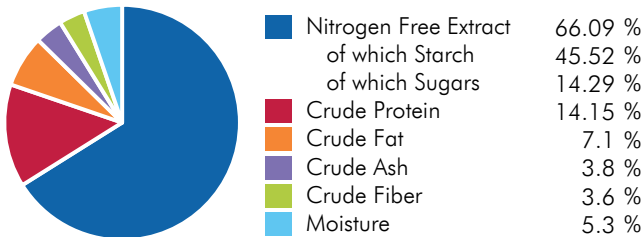
Ingredients

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, choline bitartrate, L-histidine, L-cystine, potassium citrate, glycine, DLmethionine, L-tryptophan.

CENTESIMAL COMPOSITION

| | |
|---------------------|---------|
| Vitamins & Minerals | 7.8 % |
| Forages & Fibers | 5.0 % |
| Amino Acids | 17.88 % |
| Carbon Hydrates | 62.32 % |
| Oils & Fats | 7.0 % |

NUTRITIONAL COMPOSITION



ENERGY CONTENT

| | MJ/kg | kcal/kg | % |
|----------------------|-------|---------|------|
| ME Pig | 15.8 | 3773.2 | |
| ME Atwater | 16.1 | 3850.2 | |
| Energy from proteins | 2.4 | 566.1 | 14.7 |
| Energy from lipids | 2.7 | 640.4 | 16.6 |
| Energy from NFE | 11.1 | 2643.7 | 68.7 |

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

Theoretical Calculated Values

TOTAL PER KG

AMINO ACIDS

| | | | |
|----------|-----------|------------|----------|
| Arginine | 5 880 mg | Methionine | 2 090 mg |
| Cystine | 4 116 mg | Tryptophan | 2 079 mg |
| Lysine | 12 695 mg | Glycine | 2 955 mg |

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 | 6 333 mg |
| Phosphorus | 2 677 mg |
| Sodium | 4 572 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 |
| Choline | 2 062 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