

# SAFE<sup>®</sup> 199

PRODUCT DATA SHEET  
Release date: December 2024

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## Definition

Complete universal diet for rats, mice and hamsters.

## Product Purpose

Diet for breeding, pregnant, nursing, growth and maintenance animals.

To be used within the context of experimental protocols.  
Does not contain alfalfa and its byproducts.



Picture indicative only

## Directions for Use

### DISTRIBUTION

#### Period

From birth onwards.

#### Method

- Ad libitum or rationed according to experimental protocols.
- Remove from the packaging and place directly in the cage feeder or on the cage floor.
- Keep fresh water always available.

### DAILY CONSUMPTION

Rats 18 to 25 g, mice 3 to 6 g, hamsters 8 to 12 g.

### STORAGE

Store in a clean, dry and cool place, protected from light.

### SHELF-LIFE from the date of production

Paper bag or plastic pouch = 12 months

Vacuum packed = 24 months

## Product Presentation

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

Selected solutions of the most sold items.

| DIET                    | STANDARD PACKAGING |   | USUALLY AVAILABLE WITH IRRADIATION DOSE |
|-------------------------|--------------------|---|---|
| SAFE <sup>®</sup> 199   | 1 x 10 kg          | Paper bag                                 |   |
| SAFE <sup>®</sup> R199* | 2 x 5 kg           | Paper bag, double vacuum packed and boxed | Min. 25 kGy                             |

## Irradiation

Possible doses: Minimum 10, 25 or 40 kilograys.

## Product Form

| PELLETS               | Mean                   |
|-----------------------|------------------------|
| Diameter              | 12,6 mm                |
| Crushing resistance   | 16 kgf/cm <sup>2</sup> |
| Abrasion resistance   | 97,5 %                 |
| Specific mass         | 660 g/l                |
| Average pellet weight | 2,7 g                  |
| Average pellet length | 20 mm                  |

Also available powdered on demand.

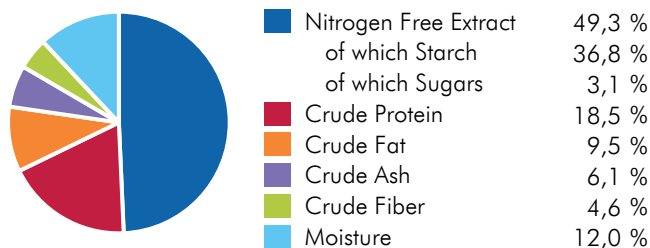
## Ingredients

Wheat, barley, extruded soybeans, sunflower seed, maize, pre-mixture of vitamins and minerals, fish meal, calcium carbonate, inactivated brewer's yeast, dicalcium phosphate, sodium chloride, choline.

## CENTESIMAL COMPOSITION

|                     |        |
|---------------------|--------|
| Cereals             | 59,4 % |
| Animal Proteins     | 4,0 %  |
| Vegetal Proteins    | 29,5 % |
| Vitamins & Minerals | 7,1 %  |

## NUTRITIONAL COMPOSITION



## ENERGY CONTENT

|                      | MJ/kg | kcal/kg | %    |
|----------------------|-------|---------|------|
| ME Pig               | 14,3  | 3 424   |      |
| ME Atwater           | 14,9  | 3 567   |      |
| Energy from proteins | 3,1   | 740     | 20,7 |
| Energy from lipids   | 3,6   | 855     | 24,0 |
| Energy from NFE      | 8,3   | 1 972   | 55,3 |

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

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.

## Analysis End Product

### TOTAL PER KG

#### AMINO ACIDS

|          |           |            |          |
|----------|-----------|------------|----------|
| Arginine | 11 000 mg | Methionine | 5 100 mg |
| Cystine  | 3 300 mg  | Tryptophan | 2 000 mg |
| Lysine   | 9 500 mg  | Glycine    | 8 500 mg |

#### FATTY ACIDS

|                  |           |
|------------------|-----------|
| Palmitic acid    | 9 800 mg  |
| Stearic acid     | 3 100 mg  |
| Palmitoleic acid | 350 mg    |
| Oleic acid       | 17 800 mg |
| LA               | 47 700 mg |
| ALA              | 6 400 mg  |

#### MINERALS

|            |           |
|------------|-----------|
| Calcium    | 10 000 mg |
| Phosphorus | 6 000 mg  |
| Sodium     | 2 500 mg  |
| Potassium  | 7 000 mg  |
| Magnesium  | 2 000 mg  |
| Manganese  | 110 mg    |
| Iron       | 250 mg    |
| Copper     | 15,0 mg   |
| Zinc       | 110 mg    |
| Chlorine   | 5 000 mg  |

#### VITAMINS

|             |           |
|-------------|-----------|
| Vitamin A   | 28 595 IU |
| Vitamin D3  | 1 805 IU  |
| Vitamin E   | 133 IU    |
| Vitamin K3  | 6,7 mg    |
| Vitamin B1  | 61,8 mg   |
| Vitamin B2  | 20,9 mg   |
| Vitamin B3  | 124 mg    |
| Vitamin B5  | 58,9 mg   |
| Vitamin B6  | 27,1 mg   |
| Vitamin B9  | 7,1 mg    |
| Vitamin B12 | 0,067 mg  |
| Biotin      | 0,69 mg   |
| Choline     | 2 470 mg  |
| Vitamin C   | 47,5 mg   |

The values of the end products are given as indication only and have no contractual value. They are calculated averages of product analysis results before irradiation and autoclaving. Depending on production conditions, storage and analytical methods variations may occur. An analysis is performed on request.

Produced in France