

# Purified Rodent Diet AIN-76A

*for Rats and Mice Diets*



A committee of American Institute of Nutrition (AIN) members formulated and published the formulation for the AIN-76A purified rat and mouse diet. The rationale for publishing the formulation for a purified diet was to provide a standard reference diet that could be used throughout the biomedical research community by researchers who had limited knowledge and experience in diet formulation. The AIN-76A diet has been used successfully in biomedical research since 1975.

## Dietary Ingredient Composition (% by Weight)

Granular Sugar	50.00	Corn Oil	5.00	AIN-76 Vitamin Mix	1.00
Casein Lactic	20.00	Solka Floc-40	5.00	DL- Methionine	0.30
Corn Starch	15.00	AIN-76 Mineral Mix	3.50	Choline Bitartrate	0.20

## Calculated Nutrient Composition

Amino Acid Concentration (% of total diet)		Mineral Concentration		Vitamin Concentration	
Arginine	0.70	Calcium %	0.52	Vitamin A IU/g	4.00
Lysine	1.48	Phosphorous %	0.44	Vitamin D <sub>3</sub> IU/g	1.00
Methionine	0.86	Potassium %	0.38	Alpha-Tocopherol IU/kg	64.24
Cystine	0.06	Sodium %	0.11	Thiamine ppm	5.90
Tryptophan	0.21	Magnesium %	0.05	Riboflavin ppm	6.29
Histidine	0.52	Iron ppm	34.25	Niacin ppm	30.15
Leucine	1.76	Zinc ppm	36.75	Pantothenic Acid ppm	15.26
Isoleucine	1.14	Manganese ppm	59.34	Choline ppm	1040.00
Phenylalanine	0.96	Copper ppm	6.73	Pyrodoxine ppm	7.12
Tyrosine	0.98	Cobalt ppm	0.02	Folic Acid ppm	2.10
Threonine	0.78	Iodine ppm	0.21	Biotin ppm	0.21
Valine	1.34			Vitamin B12 Mcg/kg	10.10
				Vitamin K ppm	0.50
				Gross Energy Kcal/gm	4.34



### Packaging

Fiberboard Drum

### Particle Size

1/2" Pellet or Meal

### Guaranteed Analysis

Crude Protein	Minimum	16.0%
Crude Fat	Minimum	5.0%
Crude Fiber	Maximum	5.0%
Ash	Maximum	4.0%

### Storage

- Best if used within nine (9) months from date of manufacture.
- Sealed bags should be stored in a well-ventilated area in a cool, dry area away from direct sun light. Keep bags elevated from direct contact with floors and walls, protected from moisture and pests.

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