

The next best thing to a desktop lab



# Genesis® R&D SQL

Product formulation & Nutritional labeling software

- ▶ Database of over 32,000 foods & Ingredients
- ▶ Add unlimited number of new foods
- ▶ Nutrient analysis for 164 components
- ▶ Allergen statements
- ▶ Barcode generation
- ▶ MyPyramid & food exchanges
- ▶ Labels – U.S.A, Canadian, Spanish, Bilingual
- ▶ Labels – Standard, Tabular, Linear
- ▶ Labels – Dual Declaration & Aggregate
- ▶ Labels – Full, Shortened & Simplified options
- ▶ Trans Fat data and Label display option
- ▶ Moisture, fat and processing adjustment tools
- ▶ Meat and Dairy formulators
- ▶ Ability to interface with other systems
- ▶ Formulation and ingredient costing
- ▶ Intuitive user-friendly interface
- ▶ Ingredient statements
- ▶ Yield adjustments
- ▶ HACCP guidelines

Nutrition Facts		Garuda Cereal Cookies, coconut cereal	Garuda Cereal, granola, good morning	Garuda Cereal, hot, oatmeal	Garuda Cereal, oatmeal, porridge				
Serving Size		(52g)	(123g)	(176g)	(523g)				
Servings Per Container									
Amount Per Serving									
Calories		230	460	110	250				
Calories from Fat		100	150	15	70				
		% Daily Value*	% Daily Value*	% Daily Value*	% Daily Value*				
Total Fat	11g	17%	16g	25%	2g	3%	8g	12%	
Saturated Fat	4g	20%	2g	10%	0g	0%	1g	5%	
Trans Fat	0g		0g		-g		0g		
Cholesterol	20mg	7%	0mg	0%	0mg	0%	0mg	0%	
Sodium	160mg	7%	10mg	0%	0mg	0%	30mg	1%	
Total Carbohydrate	32g	11%	70g	23%	19g	6%	40g	13%	
Dietary Fiber	1g	4%	9g	36%	3g	12%	5g	20%	
Sugars	19g		23g		0g		11g		
Protein	2g		14g		5g		8g		
*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:		Calories: 2,000 2,500							
Total Fat	Less than 65g	80g							
Saturated Fat	Less than 20g	25g							
Cholesterol	Less than 300mg	300 mg							
Sodium	Less than 2,400mg	2,400mg							
Total Carbohydrate	300g	375g							
Dietary Fiber	25g	30g							
Calories per gram:		Fat 9 • Carbohydrate 4 • Protein 4							

## SAMPLE, Fruit Salad

Number of Servings: 1 (125.81 g per serving)  
Weight: 125.81 g

Item Name	Item Quantity	Item Measure	Cals (kcal)	Prot (g)	Carb (g)	Sugar (g)	Fiber (g)	OCarb (g)	Fat-T (g)	Fat-S (g)
SAMPLE, Fruit Salad	0.13	cup	153.46	1.96	19.68	14.85	2.29	2.54	8.63	3.55
Grapes, Thompson seedless, fresh			13.80	0.14	3.62	3.10	0.18	0.34	0.03	0.01
Nuts, walnuts, English, dried, chpd	0.06	cup	49.05	1.14	1.03	0.20	0.50	0.33	4.89	0.46
Peaches, fresh, sliced, w/o skin	0.13	cup	8.29	0.19	2.03	1.71	0.32	0.00	0.05	0.00
Banana, fresh, med, 7" to 7 7/8" long	0.13	ea	13.13	0.16	3.37	1.80	0.38	1.18	0.05	0.02
Pears, halves, w/ juice, cnd, not drained	0.13	cup	15.50	0.11	4.01	3.01	0.50	0.51	0.02	0.00
Apples, fresh, med, 2 3/4"	0.13	ea	8.97	0.04	2.38	1.79	0.41	0.18	0.03	0.00
Topping, whipped, semi-solid, fn	0.19	cup	44.72	0.18	3.24	3.24	0.00	0.00	3.56	3.06

Item Name	Fat-M (g)	Fat-P (g)	Chol (mg)	A-RAE (mcg)	D-mcg (mcg)	E-Alpha P (mg)	Vit K (mcg)	Vit C (mg)	B1 (mg)	B2 (mg)
SAMPLE, Fruit Salad	0.91	3.66	0.00	6.10	0.00	0.44	5.10	6.23	0.05	0.04
Grapes, Thompson seedless, fresh	0.00	0.01	0.00	0.60	--	0.04	2.92	2.16	0.01	0.01
Nuts, walnuts, English, dried, chpd	0.67	3.54	0.00	0.07	--	0.05	0.20	0.10	0.03	0.01
Peaches, fresh, sliced, w/o skin	0.01	0.02	0.00	3.40	--	0.16	0.55	1.40	0.01	0.01
Banana, fresh, med, 7" to 7 7/8" long	0.00	0.01	0.00	0.44	--	0.01	0.07	1.28	0.00	0.01
Pears, halves, w/ juice, cnd, not drained	0.00	0.00	0.00	0.09	--	0.02	0.09	0.50	0.00	0.00
Apples, fresh, med, 2 3/4"	0.00	0.01	0.00	0.52	--	0.03	0.38	0.79	0.00	0.00
Topping, whipped, semi-solid, fn	0.23	0.07	0.00	0.98	--	0.13	0.89	0.00	0.00	0.00

## Fruit Salad Test

Number of Servings: 1 (125.81 g per serving)  
Weight: 125.81 g

Amino Acid	Actual	Ideal	Ratio ± Ratio =	Score
Histidine	25.38 ± 18	=	141%	
Isoleucine	35.53 ± 25	=	142%	
Leucine	65.99 ± 55	=	119%	
Lysine	35.53 ± 51	=	69%	
Methionine + Cystine	25.38 ± 25	=	101%	
Phenylalanine + Tyrosine	65.99 ± 47	=	140%	
Threonine	35.53 ± 27	=	131%	
Tryptophan	10.15 ± 7	=	145%	
Valine	45.69 ± 32	=	142%	

## Nutrition Facts

Serving Size (219 g) / Portion (219 g)  
Servings Per Container

Amount	% Daily Value*
Calories / Calories 490	
Fat / Lipides 18 g	27%
Saturated / saturés 6 g	28%
+ Trans / trans 0 g	
Cholesterol / Cholestérol 190 mg	64%
Sodium / Sodium 730 mg	30%
Carbohydrate / Glucides 17 g	6%
Fibre / Fibres 1 g	3%
Sugars / Sucres 1 g	
Protein / Protéines 62 g	
Vitamin A / Vitamine A	2%
Vitamin C / Vitamine C	0%
Calcium / Calcium	6%
Iron / Fer	50%

\*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

Calories: 2,000 2,500		
Total Fat	Less than 65 g	80 g
Saturated + Trans	Less than 20 g	25 g
Cholesterol	Less than 300 mg	300 mg
Sodium	Less than 2,400 mg	2,400 mg
Total Carbohydrate	300 g	375 g
Dietary Fiber	25 g	30 g

Calories per gram: Fat 9 Carbohydrate 4 Protein 4

\*Pourcentage de la valeur quotidienne selon un régime alimentaire de 2 000 calories. Vos valeurs quotidiennes personnelles peuvent être plus ou moins élevées selon vos besoins énergétiques.

Calories: 2 000 2 500		
Lipides + Trans	moins de 65 g	80 g
saturés + trans	moins de 20 g	25 g
Cholestérol	moins de 300 mg	300 mg
Sodium	moins de 2 400 mg	2 400 mg
Glucides	300 g	375 g
Fibres alimentaires	25 g	30 g

Calories par gramme: Lipides 9 Glucides 4 Protéines 4

## Supplement Facts

Serving Size 1 tablet (7g)  
Servings Per Container 10

Amount Per Serving	% Daily Value
Calories 20	
Calories from Fat 10	
Calories from Saturated Fat 0	
Total Fat 1 g	2%*
Saturated Fat 0 g	1%*
Cholesterol 0 mg	0%
Total Carbohydrate 2 g	1%*
Dietary Fiber 0 g	0%*
Sugars 1 g	
Protein 1 g	
Vitamin A 34 IU	1%
Vitamin C 711 mg	1185%
Vitamin D 9 IU	2%
Vitamin E 0 IU	1%
Thiamin 0 mg	1%
Riboflavin 0 mg	1%
Niacin 0 mg	1%
Vitamin B6 0 mg	1%
Folate 2 mcg	0%
Vitamin B12 0 mcg	0%
Biotin 1 mcg	0%
Calcium 18 mg	2%
Iron 0 mg	1%
Phosphorus 18 mg	2%
Magnesium 2 mg	1%
Zinc 0 mg	2%
Copper 0 mg	2%
Manganese 0 mg	2%
Chromium 1 mcg	1%
Sodium 10 mg	0%
Potassium 25 mg	1%

\* Daily Value not established.  
\* Percent Daily Values are based on a 2,000 calorie diet.

## Nutrition Facts

Serving Size (143g)  
Servings Per Container

Amount Per Serving	% Daily Value*
Calories 170	
Calories from Fat 80	
Calories from Saturated Fat 35	
Total Fat 9g	14%
Saturated Fat 3.5g	18%
Trans Fat 0g	
Stearic Acid 1g	
Polyunsaturated Fat 3.5g	
Monounsaturated Fat 1g	
Cholesterol 0mg	0%
Sodium 60mg	3%
Potassium 230mg	7%
Total Carbohydrate 22g	7%
Dietary Fiber 3g	12%
Soluble Fiber 0g	
Insoluble Fiber 2g	
Sugars 16g	
Sugar Alcohol 0g	
Other Carbohydrate 3g	
Protein 3g	
Vitamin A 10%	• Vitamin C 15%
Calcium 2%	• Iron 4%
Vitamin D --%	• Vitamin E 2%
Vitamin K 10%	• Thiamin 6%
Riboflavin 4%	• Niacin 4%
Vitamin B6 8%	• Folate 6%
Vitamin B12 0%	• Biotin 0%
Pantothenic Acid 2	• Phosphorus 6%
Iodine 2%	• Magnesium 6%
Zinc 4%	• Selenium 2%
Copper 10%	• Manganese 20%
Chromium 0%	• Molybdenum 2%
Chloride 0%	

\*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

Calories: 2,000 2,500		
Total Fat	Less than 65g	80g
Saturated Fat	Less than 20g	25g
Cholesterol	Less than 300mg	300mg
Sodium	Less than 2,400mg	2,400mg
Potassium	3,500 mg	3,500 mg
Total Carbohydrate	300g	375g
Dietary Fiber	25g	30g

Calories per gram: Fat 9 • Carbohydrate 4 • Protein 4



Genesis® R&D is your partner in product formulation and in the preparation of nutrition facts & supplement facts labels.

USA & Canadian regulatory compliant versions available.

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