



Leading The Way In
Concentrated Dairy
Ingredients And
Specialty Flavors





Butter Buds Pet Food and Treat Key Benefits

Butter Buds Food Ingredients will help:

- Improve palatability
- Mask off flavors
- Improve aroma performance
- Enhance topical applications
- Reduce ingredient costs

...in a variety of pet food and treat applications.





Introduction

Our Division headquarters in Racine, Wisconsin is the location of our processing plant, applications lab, research & development operations, and warehouse.





All Natural Commitment

Our products contain virtually no fat, no trans-fats, no cholesterol, and are Identity Preserved Non-GMO. We also offer a line of USDA Certified Organic Butter Buds Products.





Technical Overview of
ButterBuds

Natural Dairy
Flavor Concentrates



Technical Overview

Butter Buds Natural Dairy & Plant Based Concentrates

Made from high quality:

Butter



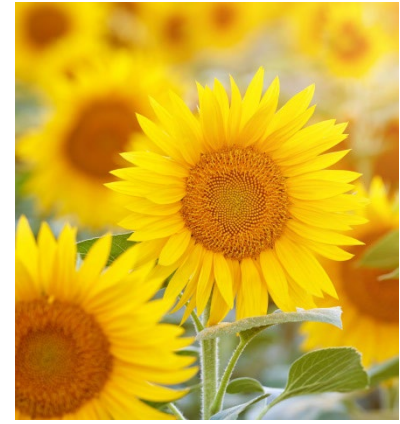
Cream



Cheese

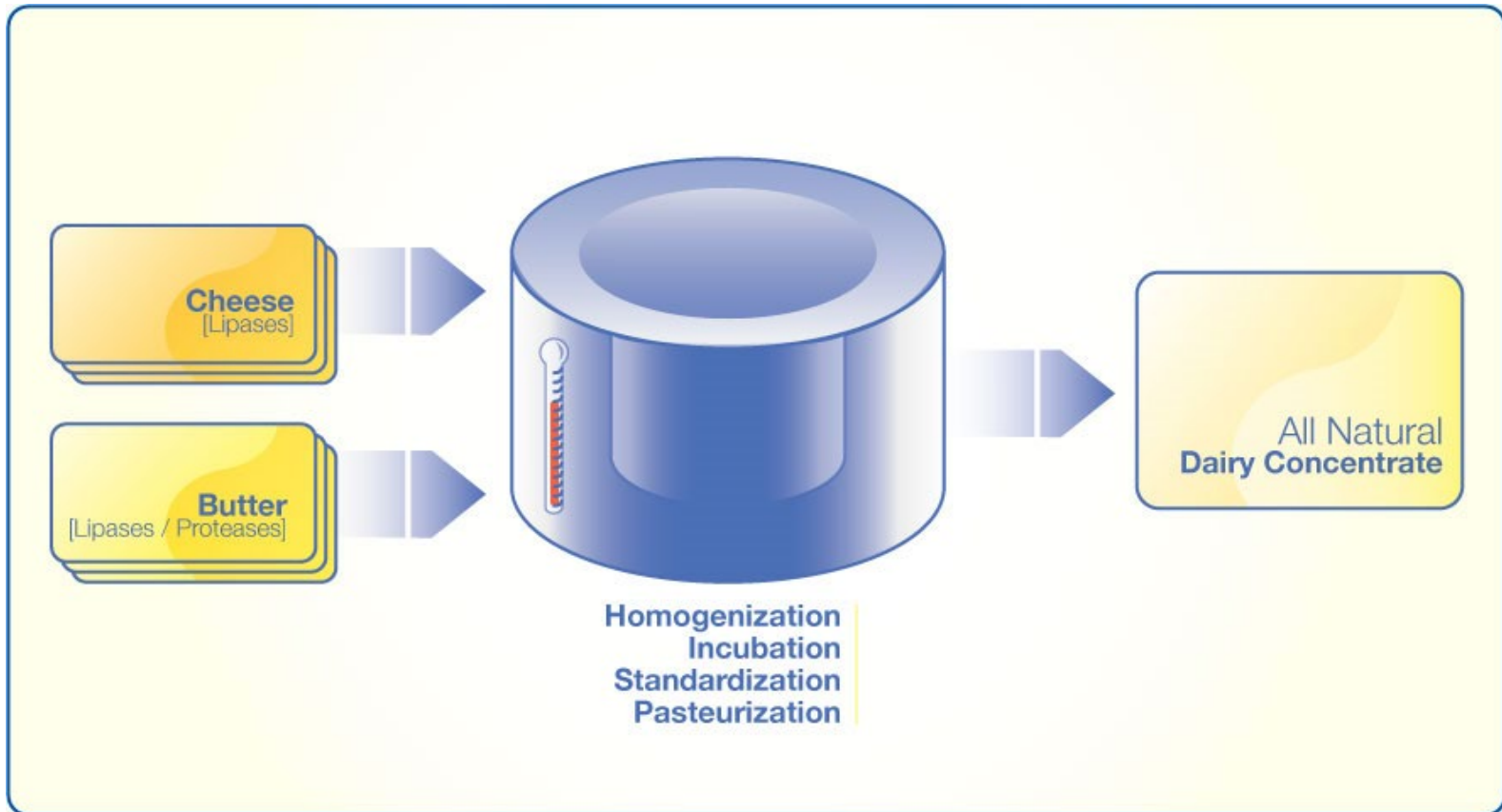


Sunflower



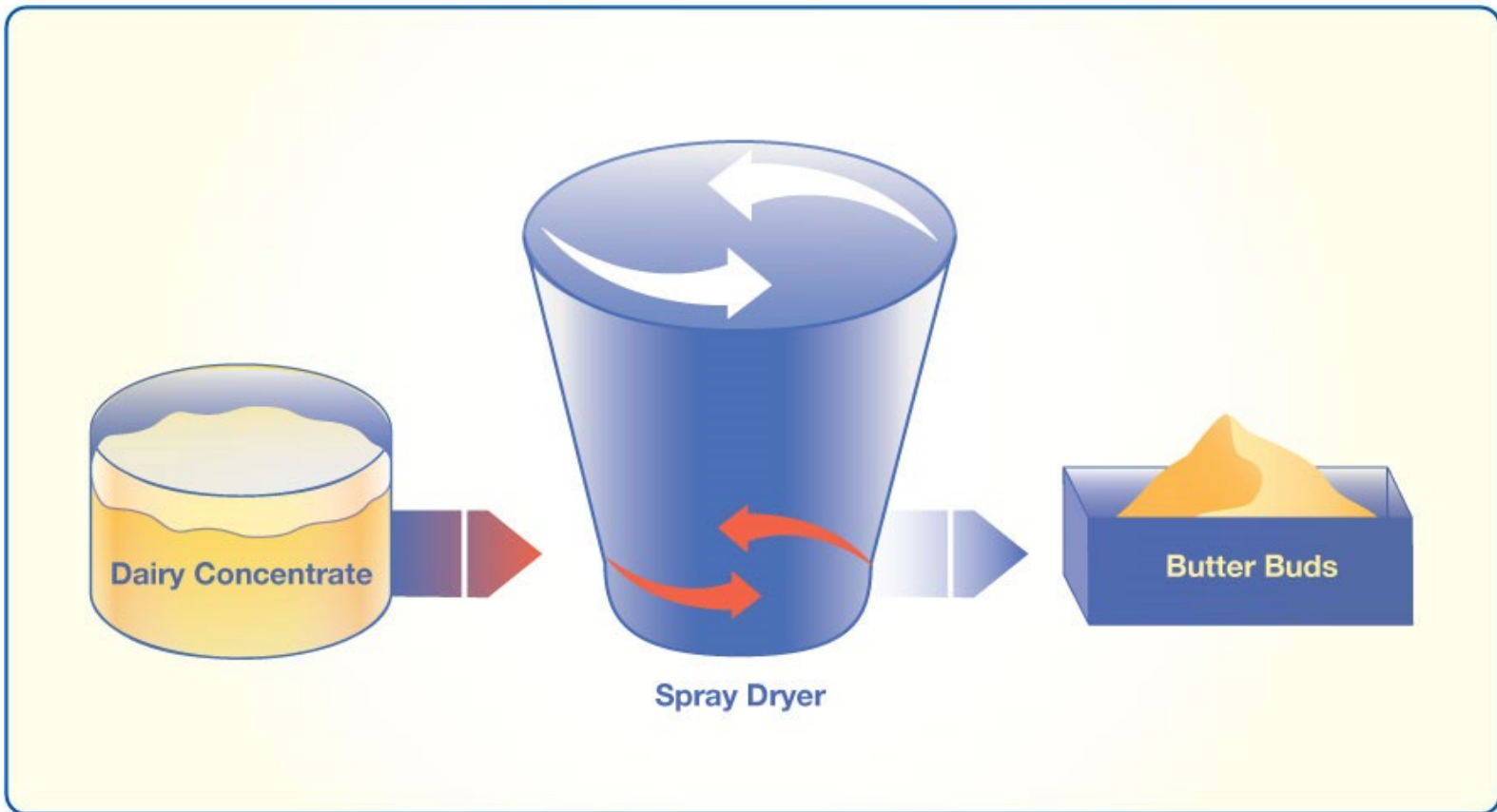
Technical Overview

Butter Buds Natural Dairy Concentrate



Technical Overview

Flavor Encapsulation





Technical Overview

Natural Concentrates...Not Synthesized Flavors



Chemistry of Butter

Free Fatty Acid

- C4 Butyric acid
- C6 Caproic acid
- C8 Caprylic acid
- C10 Capric acid
- C12 Lauric acid
- C14 Myristic acid
- C16 Palmitic acid
- C18 Stearic acid
- C18:1 Oleic acid

Flavor Quality

Buttery, cheesy, rancid, sharp, sour

Cheesy, goaty, sweaty, pungent

Oily, lamb odor, tropical fruit, soapy, fatty odor, coconut

Fatty, oily, soapy, coconutty

Creamy, sweet, fatty, oily

Oily, waxy

Virtually odorless,

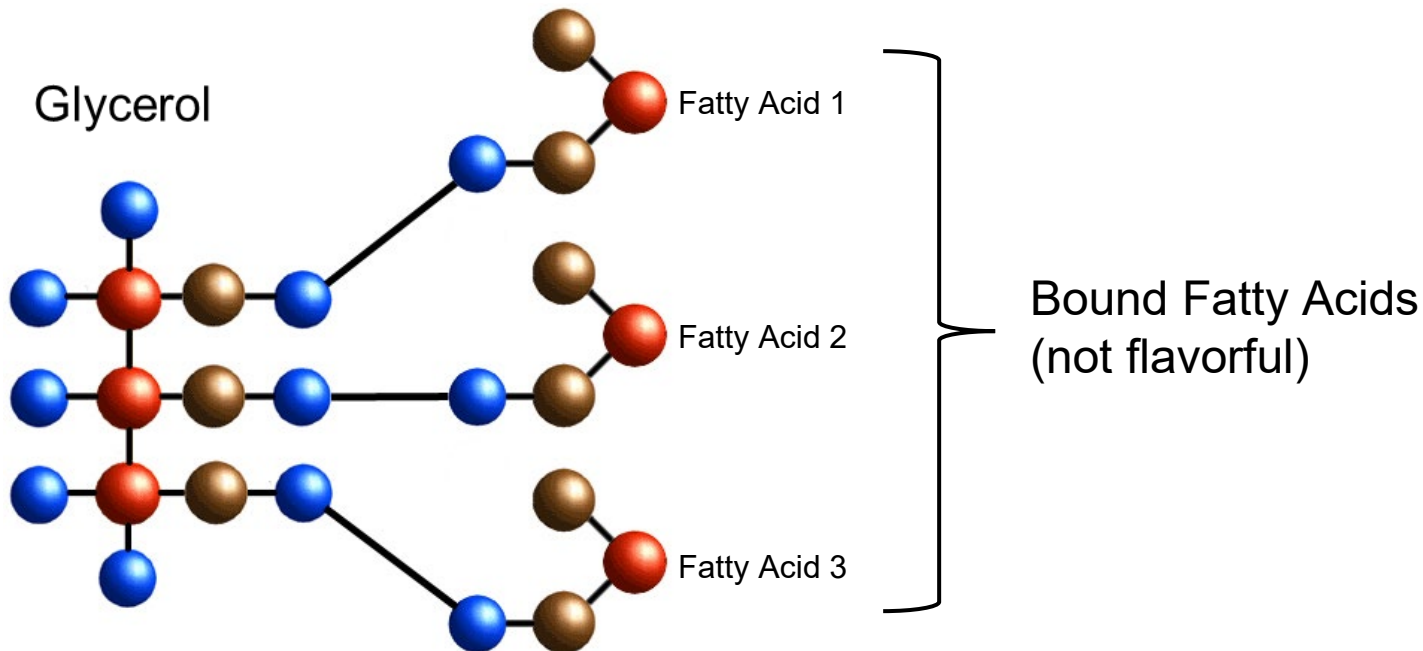
Odorless

Faint fatty odor



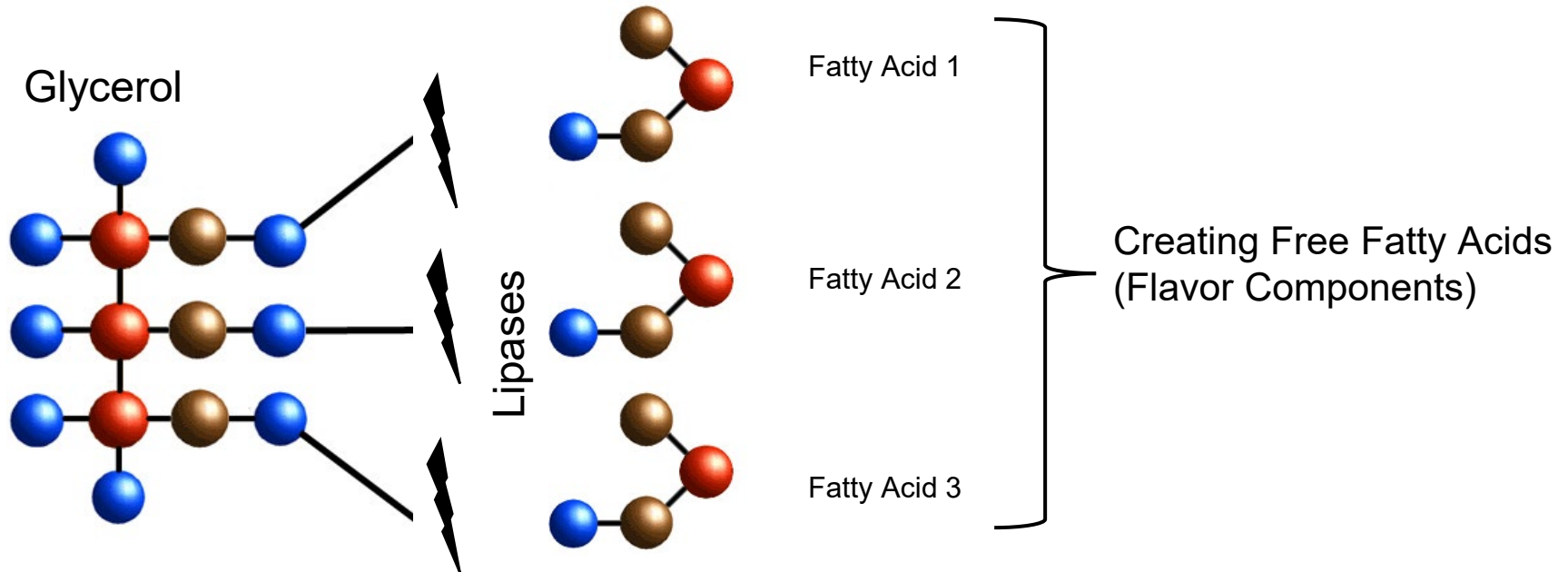
Technical Overview

Structure of Fat – “Tri-(acyl)-glycerides”



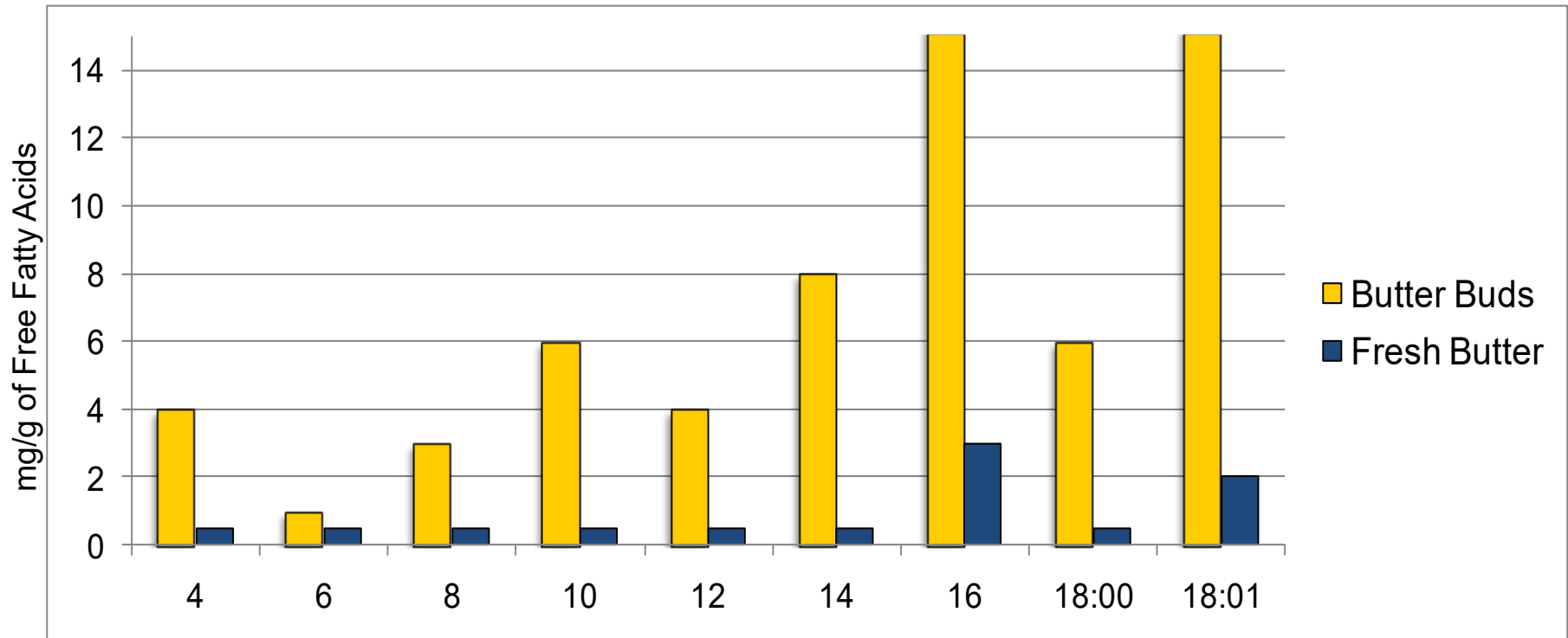
Technical Overview

Release of the Fatty Acids from Butter Fat – “Lipolysis”



Technical Overview

Free Fatty Acids in Fresh Butter and Butter Buds (Butter Buds Flavor Base)



Carbon Number in Fatty Acid Chain

Product Range

Butter Buds Powder



[Download The Butter Buds Product Range](#)

Product

Suggested Dosage

Butter Buds – HC	0.20 – 1.00%
Butter Buds – 32X	0.50 – 2.00%
Butter Buds – 8X	1.00 – 4.00%
Butter Buds – Asia	0.20 – 1.00%
Butter Buds – Sautéed	0.20 – 1.00%
Butter Buds – Ghee	0.25 – 1.00%
Butter Buds High Fat	0.10 – 0.50%

Success stories:

32X

- Palatability & aroma enhancer (dog food)

8X

- Palatability enhancer (dog treats - apple cinnamon)

High Concentrate

- Palatability enhancer (farm animal)



Product Range

Butter Buds Paste

Product

Butter Base 100

Butter Base - NZ

Butter Base 20

Suggested Dosage

0.10 – 0.30%

0.10 – 0.30%

0.25 – 0.50%

Success stories:

Butter Base 100

- Palatability enhancer (animal feed)



[Download The Butter Buds Product Range](#)



Product Range

Cream Buds

Product

Suggested Dosage

Dried Cream Extract	0.25 – 0.50%
Cream Plus	0.20 – 0.60%
Cream Buds – Asia	0.20 – 0.60%
Cream Plus Vanilla	0.25 – 0.50%

Success stories:

Cream Plus

Dried Cream Extract

- Mask nutraceutical off flavors (cat food)

Cream Plus

- Palatability enhancer (pumpkin spice and sweet potato dog treat)



[Download The Cream Buds, Milk Buds & Cultured Products Range](#)



Functional Dairy Concentrates and Other Flavors



Product Range

Milk Buds & Cultured Products

Product	Suggested Dosage
Milk Buds - J	0.05 – 0.50%
Milk Buds - Asia	0.05 – 0.10%
Milk Buds - Peru	0.05 – 0.10%
Milk Buds – Whole Milk	0.25 – 0.50%
Sour Cream Buds	1.00 – 2.00%
Buttermilk Buds	1.00 – 2.00%
Yogurt Buds	0.10 – 2.00%

Success stories

Buttermilk Buds

- Palatability enhancer (cat food)



[Download The Cream Buds, Milk Buds & Cultured Products Range](#)



Product Range

Cheese Buds

Product

Aged Cheddar

Cheddar

Cheddar - EX

Cheddar Plus

White Cheddar

Parmesan

Parmesan - EX

Romano

Emmenthal

Suggested Dosage

0.25 – 3.00%

0.25 – 3.00%

0.10 – 1.50%

0.25 – 1.00%

0.50 – 2.00%

0.25 – 3.00%

0.10 – 1.50%

0.25 – 3.00%

0.25 – 3.00%

Success stories:

Cheese Buds Romano

➤ Palatability enhancer – dog treat

*Sundried Tomato & Basil



[Download The
Cheese Buds & X
Blend Product
Range](#)



Product Range

Cheese Buds

Product

Suggested Dosage

Manchego	0.25 – 3.00%
Cotija	0.25 – 3.00%
Mozzarella	0.25 – 3.00 %
Asiago	0.25 – 3.00%
Monterey Jack	0.25 – 3.00 %
Cream	0.25 – 3.00 %
American	0.25 – 3.00%
Gouda	0.25 – 3.00%
Bleu	0.25 – 2.00%
Feta	0.25 – 2.00%

Success stories:

CB Aged Cheddar

- Palatability enhancer – dog treat



[Download The
Cheese Buds & X
Blend Product
Range](#)



Product Range

X Blend Cheese Buds

Product

Suggested Dosage

X Blend Asiago	0.50 – 4.00%
X Blend Bleu	0.50 – 4.00 %
X Blend Cheddar	0.50 – 4.00 %
X Blend Parmesan	0.50 – 4.00 %
X Blend Romano	0.50 – 4.00 %
X Blend Sour Cream	0.50 – 4.00 %

Success stories:

X-Blend Romano

- flavor and aroma enhancement – (soft kibble)



[Download The
Cheese Buds & X
Blend Product
Range](#)



Functional Dairy Concentrates and Other Flavors



Product Range

Organic Butter Buds

Product	Suggested Dosage
Organic Cream Plus	0.25 – 1.00%
Organic High Concentrate UC	0.25 – 1.00%
Organic Cheddar	0.25 – 3.00 %
Organic Buttermilk	0.25 – 1.00%
Organic Cream Plus Vanilla	0.25 – 1.00 %
Organic Butter Concentrate	0.25 – 1.00 %
Organic Bleu Cheese	0.25 – 3.00%
Organic Sour Cream	0.25 – 1.00%
Organic Parmesan EX	0.10 – 1.00%
Organic Butter Buds Ghee	0.25 – 1.00%
Organic Non Dairy Butter	0.25 – 1.00%
Organic Non Dairy Cream	0.25 – 1.00%



[Download The Organic Product Range](#)



Product Range

Non Dairy Butter Range

Product	Suggested Dosage
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Non Dairy Butter	0.25 – 1.00%
Non Dairy Butter 8X LD	0.25 – 1.00%
Non Dairy Butter Cream Type	0.25 – 1.00%
Non Dairy Butter Asia	0.25 – 1.00%
Non Dairy Ghee	0.25 – 1.00%
Non Dairy Butter Base 100*	0.25 – 1.00%
Non Dairy Butter Base NZ*	0.25 – 1.00%
Liquid Butter Concentrate*	0.25 – 1.00 %

Success stories:

Liquid Butter Concentrate

- Palatability enhancer

Non-Dairy Butter Base 100 (oil) and Non-Dairy Butter (powder)

- Palatability enhancer



[Download The Non-Dairy & Specialty Product Range](#)



Product Range

Non Dairy Cream & Cultured Range

Product	Suggested Dosage
Non Dairy Cream	0.25 – 1.00%
Non Dairy Cream Plus Vanilla	0.25 – 1.00%
Non Dairy Condensed Milk	0.25 – 1.00 %
Non Dairy Yogurt	0.25 – 1.00 %
Non Dairy Buttermilk	0.25 – 1.00%
Non Dairy Sour Cream	0.25 – 1.00%
Liquid Cream Concentrate*	0.25 – 1.00 %

Success stories:

Non Dairy Cream Type

- Mask nutraceutical off flavors (cat food)



[Download The Non-Dairy & Specialty Product Range](#)



Product Range

Non Dairy Cheese Range

Product	Suggested Dosage
Non Dairy Cheddar	0.25 – 1.00%
Non Dairy Parmesan	0.25 – 1.00%
Non Dairy Mozzarella	0.25 – 1.00%
Non Dairy Provolone*	0.25 – 1.00%
Non Dairy Brie	0.25 – 1.00%

* Oil Based Product



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Product Range

Specialty Products



[Download The Non-Dairy & Specialty Product Range](#)

Product	Suggested Dosage
Butter Buds-Bacon	0.50 – 4.00%
Cocoa Butter Buds	0.50 – 1.50 %
Dried Beer Extract	0.50 – 1.00%

Success stories:

Butter Buds Bacon

Dried Beer Extract

- **Palatability enhancer – dog treats**





Want More Information?

At [Butter Buds](#) we are *Leading The Way In Concentrated Dairy & Flavor Ingredients!*

- Be sure to check out our [Technical Library](#) and [FAQs](#) where you can find on trend market research white papers, links to technical documentation, answers to common questions and more!





Thank You!

Over nearly 40 years, Butter Buds Inc. has grown—from one man's entrepreneurial vision for concentrated flavor technology—into a global leader in concentrated dairy and other flavor ingredients. Our story is one of innovation and the value we provide to our customers, every day.

