



Cheese Buds® & X-Blends

Cheese Concentrates

Cheese Buds® are concentrated cheese flavors made with real cheese. Utilizing our proprietary enzyme-modification process, we unlock the hidden, potent flavor of cheese to create powdered flavors that are as much as 40 times the flavor strength of real cheese. Cheese Buds® add rich cheesy flavor while improving the nutritional profile of a variety of applications.

Concentrated Cheese Blends

X-Blends are a unique line of concentrated cheese blends designed to replace spray-dried cheese or cheese powder blends. Produced from a blend of cultured and enzyme-modified cheese solids with whey and buttermilk solids, X-Blends deliver up to five times the flavor strength of commodity spray-dried cheeses/cheese blends.

Cheese Buds® and X-Blends Product Listing

| Product Name | Characteristics | Usage Levels | Soluble |
|--------------------------------|--|--------------|---------------|
| Cheese Buds Cotija Type | Medium Cotija cheese with savory slightly sweet dairy base notes. | 0.25 - 1.0% | Water Soluble |
| Cheese Buds Paste-Aged Cheddar | Medium Cheddar cheese middle notes with aged and slight sweet base notes. | 0.10 - 1.0% | Oil Soluble |
| Cheese Buds Paste-Bleu | Medium-strong Bleu cheese middle notes with savory, slight fruity base notes and a sharp finish. | 0.10 - 1.0% | Oil Soluble |
| Cheese Buds Paste-Cheddar | Medium Cheddar cheese middle notes with savory base notes. | 0.10 - 1.0% | Oil Soluble |

| Product Name | Characteristics | Usage Levels | Soluble |
|--------------------------------|--|--------------|---------------|
| Cheese Buds Paste- Parmesan | Medium Parmesan cheese middle notes with buttery and savory base notes. | 0.10 - 1.0% | Oil Soluble |
| Cheese Buds- Aged Cheddar | Medium Cheddar cheese middle notes with aged and slight sweet base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds- American | Mild processed cheese middle notes with buttery and milky base notes. | 0.25 - 3.0% | Water Soluble |
| Cheese Buds- Asiago ∞ | Medium Asiago cheese top and middle notes with sweet and slight sharp base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Bleu Type ∞** | Medium-strong Bleu cheese middle notes with savory, slight fruity base notes and a sharp finish. | 0.10 - 1.0% | Water Soluble |
| Cheese Buds- Cheddar μ** | Medium Cheddar cheese middle notes with savory base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds- Cheddar Plus | Medium strong Cheddar cheese with slight sweet/ slight fruity middle notes. | 0.25 - 1.0% | Water Soluble |
| Cheese Buds- Cheddar-Ex | Medium Cheddar top notes with savory middle notes. | 0.10 - 1.0% | Water Soluble |
| Cheese Buds- Cream Cheese | Medium-strong cream cheese middle notes with medium-strong dairy and slight sweet base notes. | 0.25 - 2.0% | Water Soluble |

| Product Name | Characteristics | Usage Levels | Soluble |
|------------------------------------|---|--------------|---------------|
| Cheese Buds-Emmenthal | Mild cheese with savory slightly sweet, buttery base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Feta | Mild-medium cultured cheese middle notes with milky base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Gouda | Strong cheese middle notes with slight buttery base notes and a sharp finish. | 0.10 - 1.0% | Water Soluble |
| Cheese Buds-Monterey Jack | Mild cheese with creamy and savory middle and base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Mozzarella | Mild-medium cheese, slight buttery base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Parmesan μ | Medium Parmesan cheese middle notes with buttery and savory base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Parmesan-Ex μ^{**} | Medium cheese with Parmesan top notes and buttery, savory base notes. | 0.10 - 1.0% | Water Soluble |
| Cheese Buds-Romano | Medium cheese with full, slight sweet umami base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-Swiss | Mild-medium cheese with slight buttery, savory base notes. | 0.25 - 2.0% | Water Soluble |
| Cheese Buds-White Cheddar | | 0.50 - 2.0% | Water Soluble |
| X Blend Aged Cheddar Cheese | Medium Cheddar cheese notes with aged and slight sweet base notes. | 0.50 - 4.0% | Water Soluble |

| Product Name | Characteristics | Usage Levels | Soluble |
|----------------------------|---|--------------|---------------|
| X Blend Asiago Cheese | Medium Asiago cheese top and middle notes with sweet and slight sharp base notes. | 0.50 - 4.0% | Water Soluble |
| X Blend Bleu Cheese | Strong Bleu cheese middle notes with savory, slight fruity base notes and a sharp finish. | 0.50 - 4.0% | Water Soluble |
| X Blend Cheddar Cheese ∞** | Medium Cheddar cheese middle notes with a savory base. | 0.50 - 4.0% | Water Soluble |
| X Blend Parmesan Cheese | Medium Parmesan cheese middle notes with buttery and savory base notes. | 0.50 - 4.0% | Water Soluble |
| X Blend Romano Cheese | Medium Romano cheese middle notes with full, slightly sweet umami base notes. | 0.50 - 4.0% | Water Soluble |
| X Blend Sour Cream | Strong cultured sour cream middle notes with medium dairy base notes. | 0.50 - 4.0% | Water Soluble |

∞ Clean Label
μ Non-Dairy
** Organic
€ Sunflower Oil/Palm Oil/Canola Oil
% Uncolored