

## Flavor Technical Information

| Flavor                         | Solubility | Ingredients                                                                                                                                      | Specific Gravity | Suggested Initial Usage* |
|--------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|
| Apple Flavor, Liquid           | Water      | Artificial flavors, Propylene Glycol, Triacetin                                                                                                  | 0.984-1.084      | 0.2%                     |
| Apple Flavor, Powder           | Water      | Dextrose, Artificial Flavors, Silicon Dioxide                                                                                                    |                  | 0.1%                     |
| Bacon Flavor, Natural          | Water      | Natural flavor, Salt, Natural Smoke Flavor, Citric Acid                                                                                          | 1.1920-1.2520    | 1% - 2%                  |
| Banana Crème Flavor            | Water      | Propylene Glycol, Natural and Artificial Flavors, Water, Ethyl Alcohol.                                                                          | 0.967-1.067      | 0.2%                     |
| Beef Flavor, Liquid            | Water      | Hydrolyzed Corn Gluten, Natural Flavor, Partially Hydrogenated Soybean and Cottonseed Oil                                                        | 1.2080-1.2380    | 0.2%                     |
| Beef Flavor, Natural           | Water      | Natural Flavor, Yeast Extract, Salt, Sunflower Oil, Xanthan Gum                                                                                  |                  | 1% - 2%                  |
| Beef Flavor                    | Oil        | Canola Oil, Natural Flavor, Tocopherols                                                                                                          | 0.8656-0.9656    | 0.25% - 0.4%             |
| Blueberry Flavor               | Water      | Artificial Flavor, Propylene Glycol, FD&C Red 40, FD&C Blue 1                                                                                    | 0.985-1.085      | 0.2%                     |
| Bubble Gum Flavor, Pink        | Water      | Artificial Flavor, Ethyl Alcohol, Water, Propylene Glycol, FD&C Red 40                                                                           | 0.800-1.000      | 0.2%                     |
| Butterscotch Flavor            | Water      | Artificial Flavor, Water, Propylene Glycol, Caramel Color                                                                                        | 0.9872-1.0872    | 0.2%                     |
| Caramel Flavor                 | Water      | Artificial Flavor, Water, Propylene Glycol, Caramel Color                                                                                        | 0.980-1.180      | 0.2%                     |
| Cherry Flavor, Concentrate     | Water      | Natural and artificial flavors, Ethyl Alcohol, Propylene Glycol, Water, FD&C Red 40, FD&C Blue 1                                                 | 0.900-1.000      | 0.04%                    |
| Chicken Flavor                 | Oil        | Partially Hydrogenated Soybean Oil, Vegetable Oils (Sesame & Sunflower), Natural Smoke Flavor, Natural Flavor, Soy Lecithin, Paprika             | 0.914-0.920      | 0.25% - 0.4%             |
| Chicken Flavor                 | Water      | Water, Salt, Natural Flavor, Vegetable Oil (Sunflower), Onion Extract, Xanthan Gum                                                               | 1.171- 1.271     | 0.5%                     |
| Chicken Flavor                 | Water      | Propylene Glycol, Artificial Flavors, Natural Flavors                                                                                            | 1.171 – 1.271    | 0.4%                     |
| Chocolate Flavor               | Water      | Natural and Artificial Flavors, Propylene Glycol, Water, Caramel Color, FD&C Red 40, FD&C Yellow 5, FD&C Blue 2, FD&C Yellow 6                   | 0.997-1.097      | 0.7%                     |
| Cinnamon Oil                   | Oil        | Essential Oil                                                                                                                                    | 0.988-1.088      | 0.15%                    |
| Cotton Candy                   | Water      | Artificial Flavors, Propylene Glycol, Triacetin                                                                                                  | 0.99-1.09        | 0.2%                     |
| Crème de Menthe Flavor         | Water      | Natural Flavors, Ethyl Alcohol, Propylene Glycol, Water, FD&C Yellow 5, FD&C Blue 1                                                              | 0.839-0.939      | 0.01% - 0.03%            |
| Eucalyptus Oil                 | Oil        | Essential Oil                                                                                                                                    | 0.91             | 0.1%                     |
| Grape Flavor, Concentrate      | Water      | Artificial Flavor, Propylene Glycol, Water, FD&C Red 40, FD&C Blue 1                                                                             | 0.935-1.135      | 0.2% - 1%                |
| Lemon Oil                      | Oil        | Essential Oil                                                                                                                                    | 0.850            | 0.1%                     |
| Lime Oil                       | Oil        | Essential Oil                                                                                                                                    | 0.861            | 0.1%                     |
| Liver Flavor                   | Water      | HVP (Hydrolyzed corn, soy and wheat gluten), Natural and Artificial Flavor, Propylene Glycol, Autolyzed Yeast Extract, Smoke Flavor, Xanthan Gum | 1.171-1.211      | 0.1% - 1%                |
| Marshmallow Flavor, Artificial | Water      | Artificial Flavor, Propylene Glycol, Water, Citric Acid                                                                                          | 0.850-1.050      | 0.2%                     |
| Orange Flavor Oil, Natural     | Oil        | Essential Oil                                                                                                                                    | 0.843            | 0.1%                     |
| Peach Flavor                   | Water      | Artificial Flavor, Propylene Glycol, FD&C Yellow 5, FD&C Red 40                                                                                  | 0.980-1.080      | 0.2%                     |

|                                 |       |                                                                                                |               |              |
|---------------------------------|-------|------------------------------------------------------------------------------------------------|---------------|--------------|
| Peanut Butter Flavor            | Water | Artificial Flavor, Propylene Glycol, Caramel Color, Benzyl Alcohol                             | 0.940-1.140   | 0.2%         |
| Peppermint Oil                  | Oil   | Essential Oil                                                                                  | 0.900         | 0.02%        |
| Pina Colada Flavor, Concentrate | Water | Artificial Flavor, Propylene Glycol, Alcohol, Water                                            | 0.880-1.080   | 0.02% - 0.2% |
| Pineapple Flavor, Concentrate   | Water | Artificial Flavor, Propylene Glycol, Ethyl Alcohol, Water, Triacetin                           | 0.890-1.090   | 0.1%         |
| Raspberry Flavor, Concentrate   | Water | Artificial flavor, Propylene Glycol, Water, FD&C Red 40, FD&C Blue 1                           | 0.905-1.105   | 0.02% - 0.2% |
| Spearmint Oil                   | Oil   | Essential Oil                                                                                  | 0.93          | 0.01%        |
| Strawberry Flavor, Concentrate  | Water | Artificial flavor, Propylene Glycol, Ethyl Alcohol, Water, FD&C Red 40, FD&C Blue 1, Triacetin | 0.972-1.072   | 0.05% - 0.4% |
| Tangerine Oil, Natural          | Oil   | Essential Oil                                                                                  | 0.844-0.854   | 0.1%         |
| Tropical Punch, Flavor          | Water | Artificial Flavor, Propylene Glycol, Ethyl Alcohol, Water, Triacetin                           | 0.910-1.010   | 0.2%         |
| Tuna Flavor, Artificial         | Water | Artificial Flavor, Propylene Glycol                                                            | 1.0310-1.0410 | 0.2%         |
| Tuna Flavor                     | Oil   | Sunflower Oil, Cod Liver Oil, Menhaden Extract, Natural Flavor                                 | 0.868 – 0.968 | 0.25% - 0.4% |
| Tutti Frutti Flavor             | Water | Artificial Flavor, Propylene Glycol, Ethyl Alcohol, Water, Triacetin, FD&C Red 40, FD&C Blue 1 | 0.9114-1.0114 | 0.2%         |
| Vanilla Butternut               | Water | Natural and Artificial Flavor, Water, propylene glycol, caramel color                          | 0.910-1.105   | 0.2%         |
| Watermelon Flavor               | Water | Artificial Flavor, Water, Glycerin, Propylene Glycol, Ethyl Alcohol, FD&C Red 3, FD&C Red 40   | 0.910-1.010   | 0.2%         |
| Wintergreen Oil                 | Oil   | Essential Oil                                                                                  | 1.18          | 0.01%        |

\* Initial usage concentration is a suggested flavor starting point. Actual amount used in formulation will vary based on dosage form, API, excipients, sweeteners and/or other flavor use.