



Greenwood Associates Inc. • 6280 W. Howard Street, Niles, Illinois 60714 • 847.579.5500 • www.greenwoodassociates.com

# Specifications

## Organic Apple Juice Concentrate 70 Brix

| Product Code                     | ZAPC07002  |                            |                     |                       |      |                              |     |                         |    |           |   |
|----------------------------------|--|----------------------------|---------------------|-----------------------|------|------------------------------|-----|-------------------------|----|-----------|---|
| Variety                          | Frozen   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Ingredient Statement             | Organic Apple Juice Concentrate  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Flavor                           | Full flavored and typical of fine quality apple juice concentrate. Free from scorched, fermented, caramelized or other undesirable flavor.   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Aroma                            | Characteristic of apples, free from acetic, musty or otherwise foreign odors.  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Appearance                       | Light to medium amber liquid.  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Brix (Direct @ 20 deg. C)        | 70.00 +/- 1.00   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Brix (Corrected)                 | 69.30 - 71.50  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Acidity (% w/w)                  | 2.15 +/- 0.35 as Malic   |                            |                     |                       |      |                              |     |                         |    |           |   |
| pH                               | 3 - 4.19   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Specific Gravity                 | 1.34558 - 1.35944  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Color                            | ≥ 40 @ 440 nm.   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Clarity                          | ≥ 90 @ 625 nm.   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Turbidity                        | < 5 NTU  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Concentration at Single Strength | ≥ 11.50 Brix   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Reconstitution                   | 1 part Organic Apple Juice Concentrate 70 Brix plus 6.86 parts water   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Weight Per Gallon                | 11.256 lbs. per gallon   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Packaging                        | Steel, Plastic or Fibre Drums, Polyethylene Pails  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Optimal Storage Conditions       | Less than 0 Degrees Fahrenheit   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Recommended Shelf Life (Days)    | <table><thead><tr><th><u>Storage Temperature</u></th><th><u>Retest After</u></th></tr></thead><tbody><tr><td>Frozen (0 degrees F):</td><td>1095</td></tr><tr><td>Refrigerated (38 degrees F):</td><td>180</td></tr><tr><td>Ambient (70 degrees F):</td><td>30</td></tr><tr><td>Comments:</td><td>Color will drop off before the product reaches its shelf life</td></tr></tbody></table> | <u>Storage Temperature</u> | <u>Retest After</u> | Frozen (0 degrees F): | 1095 | Refrigerated (38 degrees F): | 180 | Ambient (70 degrees F): | 30 | Comments: | Color will drop off before the product reaches its shelf life |
| <u>Storage Temperature</u>       | <u>Retest After</u>  |                            |                     |                       |      |                              |     |                         |    |           |   |
| Frozen (0 degrees F):            | 1095   |                            |                     |                       |      |                              |     |                         |    |           |   |
| Refrigerated (38 degrees F):     | 180  |                            |                     |                       |      |                              |     |                         |    |           |   |
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|                                  |   |                  |
|----------------------------------|---|------------------|
| <b>Microbiological</b>           | <b>Yeast</b>  | <b>&lt; 500</b>  |
|                                  | <b>Mold</b>   | <b>&lt; 200</b>  |
|                                  | <b>Total Plate Count</b>  | <b>&lt; 2000</b> |
|                                  | <b>Patulin</b>  | <b>&lt; 50</b>   |
| <b>Allergens</b>                 | <b>None</b>   |                  |
| <b>Kosher Status</b>             | <b>Certified Kosher by the Chicago Rabbinical Council</b>                       |                  |
| <b>Specification Approved By</b> | <b>ammolina</b>   |                  |
| <b>Document Date</b>             | <b>6/29/18 3:38:34 PM</b>   |                  |
| <b>Changes Made</b>              | <b>7/12/17: COO</b>   |                  |
|                                  | <b>12/08/15: Updated frozen shelf life</b>                                      |                  |
|                                  | <b>10/08/15: Yeast maximum increased to align organic with crop variability</b> |                  |