# Product Specification

## 42DE Non-GMO Corn Syrup

### Specifications:
- **Dextrose Equivalent, %**: 38.0 – 44.0
- **Dry Substance, %**: 79.5 – 82.0
- **pH**: 4.0 – 6.0
- **Ash, %**: 0.4 max
- **SO₂, ppm**: <10
- **Moisture, %**: 18.0 - 20.5

### Characteristics:
- **Appearance**: Clear to light straw
- **Flavor**: Clean, typical
- **Odor**: No detectable foreign odors

### Carbohydrate Composition, typical (d.b.)*:
- **Dextrose, (%)**: 17
- **Maltose, (%)**: 15
- **Maltotriose, (%)**: 13
- **Higher Sacc., (%)**: 55

* Dry Basis

### Microbiological Standards:
- **Bacteria/g**: <1500
- **Yeast/g**: <100
- **Mold/g**: <100

### Nutritional Data/100g:
- **Calories**: 322
- **Carbohydrates, (g)**: 80.5
- **Sugars, (g)**: 26.6
- **Added Sugars, (g)**: 26.6
- **There are no fat, protein, fiber, Vit. D, calcium, iron, potassium, or other minerals of dietary significance**

### Viscosities (Centipoise), typical:
- **80°F**: 74,000
- **100°F**: 17,400
- **120°F**: 5,400

### Weight/Volume Factors (100°F):
- **Specific Gravity**: 1.415
- **Pounds/Gallon**: 11.81

### Storage:
Recommended handling and storage temperature is 110 - 130°F to minimize color development. Corn syrup stored in bulk tanks must be stored in an environment free of bacterial activity with constant circulated, HEPA filtered, UV-sterilized headspace air.

### Shelf Life:
Shelf life is 12 months when stored under recommended conditions. Elevated storage temperatures will accelerate the natural color development of the product.

### Ingredient Statement:
Corn Syrup

### FCC:
Meets specifications

### Packaging:
Bulk tanker, 3000 lb. totes, 644 lb. (55 gal.) drums, 60 lb. (5 gal.) pails

### Certifications:
Kosher Pareve, Non-GMO Project Verified

### GRAS:
21 CFR 184.1866

### Lot Coding:
Bulk tankers: lot # = source vessel ID; Packaged Product: YYJJJ, where YY = last 2 digits of year & JJ = Julian date

### GMO:
This product was produced from corn that was not genetically engineered

---

**Reviewed: 07/30/18**

Brant Widrick, General Manager

---

**Note:** The information in this document is true and accurate to the best of our knowledge. However, since the conditions of use are beyond our control, nothing contained herein should be construed as representation, guarantee or warranty, expressed or implied. We disclaim all liability in connection with the use of the information contained herein and all such risks are assumed by the user.