

Tortilla Lime

Food Grade Calcium Hydroxide

PRODUCT DATA

DESCRIPTION:

Tortilla Lime is Calcium Hydroxide $\text{Ca}(\text{OH})_2$ that meets or exceeds the Fourth Edition Food Chemicals Codex Specifications. Chem-Mex recommends Tortilla Lime for use in the manufacture of corn tortillas.

LABEL DECLARATION:

Lime or Calcium Hydroxide

RECOMMENDED USE:

Typically kernel corn is simmered for 30 minutes at 95 to 98°C with one percent Calcium Hydroxide (based on the corn weight) with approximately 1 part corn to three parts water by weight. It is then steeped for several hours to produce nixtamal or alkaline cooked corn kernels. The nixtamal is typically washed and then stone ground into masa.

LABEL WARNING:

Warning! Harmful if swallowed or inhaled. May cause burns to skin and eyes. Causes severe irritation to respiratory tract. Use NIOSH-approved respirator. Material Safety Data Sheets available upon request.

FDA CLASSIFICATION:

GRAS
21CFR184.1205

NUTRITIONAL DATA:

Amount per 100 grams

| | |
|---------------------|--------|
| Calories | 0 |
| Total Fat (g) | 0 |
| Saturated Fat (g) | 0 |
| Cholesterol (mg) | 0 |
| Sodium (mg) | 10 |
| Total Carbohydrates | 0 |
| Dietary Fiber (g) | 0 |
| Sugars (g) | 0 |
| Protein (g) | 0 |
| Vitamin A (IU) | 0 |
| Vitamin C (mg) | 0 |
| Calcium (mg) | 53,000 |
| Iron (mg) | 35 |

Nutritional Note: Corn tortillas made with calcium hydroxide are a source of calcium and have been found to contain approximately 170 mg of calcium per 100 grams of tortilla.

KOSHER:

Tortilla Lime is Kosher and Pareve under the Supervision of the KSA when labeled with the KSA Symbol.



PACKAGING AND STORAGE:

50 LBS. Poly Lined Bags

Store away from excessive heat, moisture and acids. Keep containers sealed, will absorb carbon dioxide from the air to form calcium carbonate. Avoid contamination & spillage.

CHEMICAL AND PHYSICAL SPECIFICATIONS:

| | |
|----------------------------|----------------|
| % $\text{Ca}(\text{OH})_2$ | 95% Min. |
| % MgO | 0.5% Max |
| % SiO_2 | 0.3% Max |
| % R_2O_3 | 0.5% Max |
| Test Sieve | 98% min No 325 |
| (% Pass) | 99% min No 200 |
| Moisture | 1% Max |
| Carbonate | Passes FCC |
| Arsenic | 3 ppm Max |
| Lead | <10 ppm |
| Fluoride | 50 ppm Max |
| Sulfur | 0.06% Max |
| Heavy Metals | < 30 ppm |

Magnesium and Alkali Salts <4.8%

Acid Insoluble Substances <0.5%

REGULATORY DATA:

CAS# 1305-62-0

US DOT
Not Regulated

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