



PRODUCT SPECIFICATION

product name:	Citric acid
product number old:	5
product number new:	10005
product description:	Fruit acid liquid is intended for use in food. It is made from pure citric acid in food grade quality that is dissolved in drinking water and filtered.
appearance:	water-clear, pure organic acid
name of food:	acidifier citric acid E 330.
taste:	Attention! Extremely acidic! Not intended for direct human consumption! Only intended for further processing in foods! Do not get this in contact with eyes, otherwise rinse with water immediately!
smell:	odorless, neutral.
components:	water, citric acid E330 (43%).
range of application:	Karows Fruit acid no. 5 is used in many areas of the food production, especially in bakery and confectionery products such as the production of all kinds of fruit fillings, toppings, puddings etc. because the fruity flavor of the particular product will be intensified. Citric acid functions as an antioxidant. Karows Fruit acid no. 5 is essential for preparing all kinds of fruit ice cream because very few drops enhance a distinctive fruit character when added.
physical/chemical characteristics:	
	pH content (20 °C) pure : <1 +/-0,5
	density (20 °C) 1,190 g/cm ³ +/-0,01
	citric acid (Addition amount according to recipe) 42,5% +/- 1%
microbiological parameters:	Due to the nature of the product no microbiological growth is to be expected.
storage stability:	minimum shelf life 3 years in original packaging when stored in cool, dark and dry conditions.

Nutritional value in g per 100g:

Calorific value/energy:	532kJ = 123kcal
Carbohydrates:	0
therefrom sugar:	0
therefrom organic acid:	43
Fat:	0
saturated fatty acids:	0
Protein	0
Total dietary fiber:	0
Salt:	0



Allergen labeling according to EC Reg. No. 2003/89/EG Append. IIIa and 2006/142/EC:
contains none of the declarable allergens

specifications about GMO subject to ordinance by the European Parliament EC 1829/2003 und 1830/2003:

During the production no production technologies are applied that might genetically modify the organism. In addition no raw materials are applied which are genetical modified. Excluded hereof are unintentional contaminations next to technically unavoidable contaminations up to a threshold value of 0,9% relating to the individual ingredient.

Information on nanotechnology and ionizing radiation:

This product and its raw materials were not irradiated or prepared using nanotechnology.

Information about certain diets:

	Possibility?	Certificate available?
Kosher	yes	no
Halal	yes	no
Vegetarian	yes	
Vegan	yes	

packaging:

10005-01-01	1kg plastic bottle; 12 bottles in a cardboard box 10 boxes per layer; 4 layers per pallet = 40 cardboard boxes
10005-03-01	3kg plastic canister; 4 canisters in a cardboard box 10 boxes per layer; 4 layers per pallet = 40 cardboard boxes
10005-10-01	10kg plastic canister 20 canister per layer; 2 layers per pallet = 40 canisters

All previous versions hereby lose their validity and are replaced by this version. This specification is valid until recalled. It is not subject to any update service. The above mentioned information is based on our present knowledge and experience. Due to the abundance of possible influences during the use and application of our product this information does not relieve the user of conducting his own tests and experiments. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from this information. Slight deviations can arise in individual cases due to technical reasons, different provenances and the fluctuation margin of naturally raw material. On that account and in consequence of possible change in the law we cannot take responsibility for accuracy of statement.