



## Specification

Concerning Product:	
Article number	36687828NL68
Trade name / designation / denomination	L-Carnitin-L-Tartrat, Lebensmittel
CAS number	36687-82-8
Other names / synonyms	•(R)-Bis[(3-carboxy-2-hydroxypropyl)trimethyl Ammonium] L-tartrate; •1-Propanaminium, 3-carboxy-2-hydroxy-N,N,N-trimethyl-, (2R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1); •L-Carnitine L-Tartrate; •L-Carnitine L-tartrate (2:1); •Vitamin B <sub>7</sub> L-tartrate;
EC number	609-282-5

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Colour		white	
<b>Physical parameter</b>			
Form		crystalline powder	
Loss on drying	KF	≤ 0,5	%
pH value		(5% in H <sub>2</sub> O): 3,0 – 4,5	
Specific Optical Rotation		(Na-D, 20°C, c=10 in H <sub>2</sub> O) -11,0 – -9,5	°
Melting range		(decomposition) ≥ 170	°C
Solubility		(@ 20°C) ≥ 1000	g/l
<b>Identity</b>			
Assay	Titration	L-Carnitin-L-Tartrat: 67,2 – 69,2	%
Assay	Titration	L-Tartaric acid: 30,8 – 32,8	%
<b>Impurities</b>			
Heavy Metals (as Pb)		≤ 10	ppm
Sulphated ash	2h, 600°C	≤ 0,1	%
<b>Nutritional data</b>			
Calories		416	kJ/100g
Calories		99	kcal/100g
Salt (acc. to 1169/2011/EC)		0,25	g/100g
Sodium (Nutrient)		0,1	g/100g
Organic acids		32,0	g/100g

<b>Microbiological data</b>			
Aerobic microorganisms		≤ 1000	CFU/g
Escherichia Coli.		≤ 1	CFU/g
Salmonella		neg.	
Yeast and Mould		≤ 200	CFU/g

**Regulatory information:**

**Allergens statement:** According to Annex II of Regulation (EU) No **1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No **78/2014** on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

**BSE/TSE statement:** Risk of BSE/TSE contamination can be excluded.

**GMO statement: Genetic engineering:**

For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22<sup>nd</sup> September 2003.

**Nanoparticles:** The product does not contain any raw materials, ingredients or additives in nanoparticle size as per definition of Regulation (EU) No **1169/2011**.

**Supplemental information:**

**Shelf life:** 2 years

**Derivation:** synthetic

**Note: Traceability**

According to Regulation (EC) No **178/2002** the traceability of the raw materials for the product is guaranteed one step backwards and of produced batches one step forward. All instructions, which are necessary to take these steps, are implemented in the Quality manual and management system according to IFS and BRC.

**Storage conditions:** Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

**Regional origin:** Europe

**Usage:** The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 24. Jul. 2020

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