



## Specification

Concerning Product:	
Article number	93685906LEF
Trade name / designation / denomination	Lecithin aus Eiern
CAS number	93685-90-6
Other names / synonyms	•Lecithins, egg yolk;
EC number	297-639-2

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Colour	light yellow - yellow	
<b>Physical parameter</b>		
Form	coarse agglomerates	
Water content	≤ 2,0	%
Peroxides (O <sub>2</sub> <sup>2-</sup> )	≤ 5	
Solubility	5% in Chlorinated hydrocarbons: soluble @ 20 °C	
Solubility	5% in Fat: soluble @ 60 °C	
Solubility	5% in Paraffin: soluble @ 50 °C	
Solubility	5% in Water: dispersible @ 20 °C	
<b>Identity</b>		
Assay	DL-α-Tocopherol: ≥ 0,05	%
Assay	Phosphatidylcholine: ≥ 70	%
Assay	Phospholipids (P x 25.0): ≥ 90,0	%
Thin-layer chromatography	Performed with solvent system: chloroform/methanol/water (65:25:4, v:v:v) Result by Visualisation = copper sulphate (grey/black)	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 10	ppm
<b>Residual Solvents</b>		
Residual solvents	Ethanol: ≤ 0,5	%

<b>Elemental Impurities</b>		
Iodine (I <sub>2</sub> )	63 – 69	
Phosphorus (P)	3,6 – 4,0	%
<b>Fatty Acid composition</b>		
Linoleic Acid content	14 – 18	% <sup>1</sup>
Linolenic acid	≤ 1,0	% <sup>1</sup>
Oleic Acid content	24 – 30	% <sup>1</sup>
Palmitic acid	27 – 33	% <sup>1</sup>
Poly-unsaturated fatty acids	C20 and higher: 6 – 12	% <sup>1</sup>
Stearic acid	11 – 18	% <sup>1</sup>
<b>Microbiological data</b>		
Aerobic microorganisms	(TAMC): ≤ 1000	CFU/g
Escherichia Coli.	neg. in 10 g	
Salmonella	neg. in 10 g	
Yeast and Mould	(TYMC): ≤ 100	CFU/g

**Annotation:**

<sup>1</sup>: Typical fatty acid composition in % of total fatty acids

**Supplemental information:**

**Derivation:**

Ingredients: Egg phospholipids + D,L- $\alpha$ -Tocopherol

**Storage conditions:** Recommended storage: in closed containers at  $-20 \pm 5$  °C. To avoid a negative impact on the product quality by humidity, a cooled product unit must not be opened without prior conditioning to ambient temperatures. Close open containers immediately.

**Regional origin:** D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 17. Dec. 2023

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