



Specification

Concerning Product:	
Article number	8030760LSF
Trade name / designation / denomination	Lecithin aus Soya
CAS number	8030-76-0
Other names / synonyms	•Lecithin, Tocopherol; •Lecithins, soybean;
EC number	310-129-7

Parameter	Specification	Unit
Organoleptic test		
Colour	yellow - brown	
Physical parameter		
Acidity/Alkalinity	≤ 12	
Form	coarse agglomerates	
Water content	≤ 2,0	%
Substances insoluble	in Acetone: ≥ 80,0	%
Substances insoluble	in Hexane: ≤ 0,3	%
Peroxides (O ₂ ²⁻)	≤ 3	
Solubility	5% in Ethanol: soluble @ 20 °C	
Solubility	5% in MCT: soluble @ 40 °C	
Solubility	5% in Water: dispersible @ 20 °C	
Identity		
Assay	Lysophosphatidylcholine: ≤ 3,0	%
Assay	Phosphatidic acid: ≤ 3,0	%
Assay	Phosphatidylcholine: ≥ 70,0	%
Assay	Phosphatidylethanolamine: 7,0 – 11,0	%
Assay	Phosphatidylinositol: ≤ 1,5	%
Thin-layer chromatography	Performed with solvent system: chloroform/methanol/water (65:25:4, v:v:v) Result by Visualisation = copper sulphate (grey/black)	
Impurities		
Heavy Metals (as Pb)	complies with ICH Q3D	ppm
Impurity	DL-α-Tocopherol ² : 0,1 – 0,2	%
Impurity	Free fatty acids ² : ≤ 0,5	%
Impurity	Triglycerides ² : ≤ 3,0	%
Residual Solvents		
Residual solvents	Ethanol: ≤ 0,2	%

Elemental Impurities		
Iodine (I ₂)	85 – 95	
Phosphorus (P)	3,4 – 3,7	%
Lead (Pb)	≤ 10	ppm
Fatty Acid composition		
Linoleic Acid content	58 – 65	% ¹
Linolenic acid	5 – 9	% ¹
Oleic Acid content	8 – 12	% ¹
Palmitic acid	12 – 17	% ¹
Stearic acid	2 – 5	% ¹
Microbiological data		
Aerobic microorganisms	(TAMC): ≤ 100	CFU/g
Escherichia Coli.	neg. in 10 g	
Endotoxintest (LAL)	≤ 6	EU/g
Pseudomonas aeruginosa	neg. in 10 g	
Salmonella	neg. in 10 g	
Staphylococcus Aureus	neg. in 10 g	
Yeast and Mould	(TYMC): ≤ 10	CFU/g

Annotation:

¹: Typical fatty acid composition in % of total fatty acids

²: Non-polar lipids

Supplemental information:

Shelf life: 36 month

Derivation:

Ingredients: Soybean phospholipids + D,L- α -Tocopherol

Storage conditions: Recommended storage: in closed containers at -20 ± 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.

Packing: Standard packaging 5 kg in double PE-bag.
For transport in polystyrene box including dry ice.

Regional origin: D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 17. Dec. 2023

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