

DATASHEET/ SPECIFICATION

Lecithin Powder (Pulver)

Names

Trade name: Lecithin Powder (Pulver)

Item no.: 06-04-000

Other names: de-oiled, powdered lecithin

INCI name: lecithin

CAS No.: 8002-43-5

EINECS/EC No.:232-307-2

Application

For information about the origin, nature, content and use of lecithin, please see our General Information Sheet "Soy Lecithin".

Lecithin Powder (Pulver) contains high quality de-oiled and thereof powdered lecithin. In this product the naturally occurring ratio between the different phosphorous lipids and glycosides typically found in soy beans are adhere. In cosmetic formulation they are the natural choice of assistant emulsifier and suitable for building up o/w as well as w/o emulsions. But this is only one of the functions lecithin have in skin care products. As kind of active substance they have also skin conditioning properties (moisture, lipid and pH regulation) and stabilize the barrier function of skin.

Due to the absence of oil one got two possibilities to apply Lecithin Powder (Pulver). The choice between dispersion in the water phase and solution in the fat/oil phase should be done in consideration to the

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other ingredients and the used handling in the laboratory. More or less wide is also the suggested application concentration of 0.5 to 5 %, which strongly depends on the dimension of the fat phase, the texture of the fat/oil and the use or absence of gel builder in the formulation. Lecithin itself has no texturing properties it is a “pure” emulsifier.

Composition

Oil:	max. 1.5 %	
Acetoneinsolubles(lecithins):	total:	min. 96.5 %
	Phosphatidylcholine (PA):	18 - 25 %
	Lyso-phosphatidylcholine:	max. 6 %
	Phosphatidylethanolamine:	10 – 16 %
	Phosphatidylinositol:	14 – 19 %
	Phosphatidic acid:	4 – 7 %

Analytical data

Tolueneinsolubles:	max. 0.3 %
Hexane insolubles:	max. 0.3 %
Moisture:	max. 1.5 %
Peroxide Value:	max. 5 meq/kg
Acid value:	max. 30 mg KOH/g
Sieve analysis:	min. 90 % (< 0.315 nm)
Gardner colour value:	max. 11 (10 % in toluene)
Iodine colour value:	max. 55 (10 % in toluene)
Microbiology:	total plant count: max. 1000/g
	Yeasts: max. 50/g
	Moulds: max. 50/g
	E.Coli: negative/ g
	Salmonellae: negative/ 25 g
Heavy metals:	total: max. 1 ppm
	Arsenic: 0.2 ppm
	Lead: 0.25 ppm
	Mercury: 0.1 ppm

Physical and chemical properties

Physical state:	solid (powder)
Colour:	white to amber
Odour:	characteristic
Taste:	characteristic
Solubility:	Water: dispersible Fats/ oils: soluble Ethanol: partly soluble

Certification

NON GMO: certified as NON GMO product.

Kosher: brave

Halal: approved

Regulatory status

Lecithin Powder (Pulver) meets USP/NF monograph of lecithin and is generally recognized as safe (GRAS, Title 21 CFR Part 184.1400: lecithin).

Storage

In the original packaging Lecithin Powder (Pulver) can be stored for 24 month at temperatures between 25 °C and 30 °C in a dry area. Reclose immediately after opening, as the material is sensitive to light.

Other Information

All orders and samples requested will be sent together with an Analysis Certificate. Material Safety Data Sheet is available upon request.

The advice doesn't exempt you from doing your own testing particularly with regard to the qualification of our products for intends process and purposes.

Application, use and handling of our products take place out of our control possibility, and are only your responsibility. The Sales of our products occur according as current general sales terms and delivery conditions.

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