



Reference : 07-342

Scharlau Microbiology - Technical data sheet

Product :
SOY LECITHIN

Specification

Culture Media Ingredient.

Description

Phosphatidylcholine or lecithin, is a mixture of diglycerides of the stearic, palmitic and oleic acids, linked to the cholic ester of phosphoric acid.

Lecithin comes in powder form with a rich brown colour. It is extracted from soybean seeds appropriately treated. It is made especially for inclusion culture media as an emulsifier or as a growth factor for lipophilic organisms.

C ₂₀ -C ₂₂ acids.....	5,5 % (w/v)
Linoleic acid.....	4,0 % (w/v)
Oleic acid.....	9,5 % (w/v)
Palmitoleic acid.....	8,5 % (w/v)
Stearic acid.....	4,0 % (w/v)
Palmitic acid.....	11,5 % (w/v)

Note: Data are average values, which may vary from batch to batch.

Physico-chemical characteristics

Appearance :.....	Yellow-beige powder
Aceton insoluble substance:.....	≥ 96,0%
Peroxid value :.....	≤ 5,00 meq. /Kg
Moisture:.....	≤ 2,0%
Acid value:.....	≤ 35 mg KOH/g
Toluene insolubles:.....	≤ 0,1%
Iodine colour value:.....	35

Transgenic DNA..... Not detectable

Microbiological limits

Total aerobic microbial count.....	< 3000 CFU/g
Heat resistant thermophiles.....	< 1 CFU/10 g
Heat resistant mesophiles.....	< 1 CFU/10 g
Coliforms.....	< 10 CFU/g
Moulds and yeasts.....	< 100 CFU/g
<i>Staphylococcus aureus</i>	absent in 10 g
<i>Escherichia coli</i>	absent in 10 g
<i>Salmonella spp</i>	absent in 25 g

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).