

**PRODUCT DESCRIPTION**

UNILEC-DHSL non GMO is Hydrolysed Soya Lecithin powder an enzymatically modified complex mixture of phospholipids, its tan to medium yellow coloured free flowing powder produced by special Enzymatic Hydrolysis of hydrated and Non-hydrated phosphatides derived from oil extraction of non GMO Soya seed by degumming and drying process.

**PRODUCT APPLICATION**

UNILEC-DHSL is invaluable emulsifier, stabilizer and preservative having more hydrophilic properties, it has high nutritive value, emulsifying ability, easily digestive, useful for various kinds of food application such as dry blends, baking, release agent and wetting agent. The benefits of lecithin are used throughout several industries from food, confectionery, health nutrition, cosmetics to pharma applications. It can be applied in oil-in-water type emulsions.

**PRODUCT PHYSICAL & CHEMICAL ANALYSIS**

Parameter	Specification	Method of Analysis
Acetone Insoluble %	Min. 97%	AOCS Ja 4-46
Moisture %	Max 1 %	AOCS Ja 2b-37
Bulk Density	0.55-0.65 gm/ccm	on request
Acid Value	Max 35 mgKOH/g	AOCS Ja 6-55
Colour	Cream light yellow to brown	Visual
Peroxide Value	Max 5 meq O <sub>2</sub> /Kg	AOCS Ja 8-87
Hexane/ Toluene Insoluble	Max 0.3 %	AOCS Ja 3-87
Ash	Max 12%	on request

**PRODUCT MICROBIOLOGICAL ANALYSIS**

Parameter	Specification	Method of Analysis
Total Plate Counts	Max 1000 cfu/g	ISO 4833
Enterobacteriaceae	< 10 cfu/g	ISO 21528-1
Coliforms	< 10 cfu/g	ISO 4832
E. Coli	Absent/g	ISO 16649
Yeast & Moulds	< 100 cfu/g	ISO 7954
Salmonellae	Absent/ 25g	ISO 6579

**REGULATIONS**

UNILEC-DHSL conforms to EU regulations 1829/2003 and 1830/2003 free from GMO-declaration and conforms Commission Regulation (EU) No 231/2012 of 9 March 2012( E322) & Codex Alimentarius Lecithin (322(i) Emulsifier Lecithin.

**SHELF LIFE**

UNILEC-DHSL has minimum 18 months from the date of manufacture if retained in original packing away from direct sunlight, moisture and air. Recommended Storage at ambient temperature (16-32 °C) .

**PACKAGING**

20 Kg Net , Primary liner bags, secondary corrugated box

*Individual Analytical report for each batch produced follow separately. These values are typical. Seasonal deviations may occur. All recommendations as well as formulations made herein are based on data believed to be reliable.*