

# UNILEC-SFL-F (Feed Grade)

## PRODUCT DATA SHEET

### NON GMO SUNFLOWER LECITHIN



#### PRODUCT DESCRIPTION

UNILEC-SFL-F is pure non GMO Sunflower Lecithin, its viscous yellow to brown liquid mixture of phospholipids derived from Sunflower Seed by oil extraction and degumming process. Sunflower Lecithin feed grade and free from GMO.

#### PRODUCT APPLICATION

UNILEC-SFL-F made from Sunflower seeds, provides a healthy diet and ensures excellent digestibility of fat and energy. It is natural performance enhancement and support for the immune system. It provides efficient metabolism and optimal supply of energy in animal diets, not only for their nutritional contribution of phospholipids and essential fatty acid, but also for many functional purposes.

#### PRODUCT PHYSICAL ANALYSIS

Parameter	Specification	Method of Analysis
Acetone Insoluble %	Min. 60%	AOCS Ja 4-46
Moisture %	Max 1 %	AOCS Ja 2b-37
Viscosity (25 C)	Max 125 Poise ( 12.5 Pas)	Brookfield Ja 10-87
Acid Value	Max 35 mgKOH/g	AOCS Ja 6-55
Colour Gardner	Max 14	AOCS Ja 9-87
Peroxide Value	Max 5 meq O <sub>2</sub> /Kg	AOCS Ja 8-87
Hexane/ Toluene Insoluble	Max 0.3 %	AOCS Ja 3-87

#### PRODUCT MICROBIOLOGICAL ANALYSIS

Parameter	Specification	Method of Analysis
Total Plate Counts	Max 3000 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-SFL conforms to EU regulations 1829/2003 and 1830/2003 free from GMO-declaration and conforms the product is suitable for use in animal feed in accordance with GMP+ standard and EU legislation, including compliance with Directive 2002/32/EC and its amendments on the undesirable substances and products in animal nutrition.

#### SHELF LIFE

UNILEC-SFL 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). Storage below 16 °C may cause separation of oil.

#### PACKAGING

ISO Bulk, 1000 Kg IBCs, 200 Kg Drum, 25 Kg Pails

*Products are exclusively produced from NON GMO sunflower seeds. These values are typical. Seasonal deviations may occur. All recommendations as well as formulations made herein are based on data believed to be reliable.*



*Version 2.0 replaces all previous version of UNILEC SFL F Specification of Unilecithin Group.*

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