

Reference Product Specification

General Information

Product name:	Sunflower Phosphatide Concentrate (Crude Lecithin)
Product grade:	SnKh-1 ("CHX-1")
Product description:	Food-grade crude lecithin obtained from sunflower seed processing and sunflower oil production
Intended purpose/application:	Crude lecithin is primarily used as raw material for production of: lecithin in bakery and confectionery (food grade) formula feeds and feed additives (feed grade)
Regulatory reference:	Ukrainian Company Standard (SOU) 15.4-37-212:2004
Certification compliance:	GMP+ B1 (feed-grade)

Physical characteristics

Appearance:	opaque oily liquid
Color:	brown
Odor and taste:	low odor, odor and taste characteristic of phosphatides and source oil. No stale, sour, or any other foreign odor allowed.
Texture, consistency:	liquid
Moisture and volatiles content, % by weight	0.6
Phosphatides, % by weight	60.1
Oil content, % by weight	38.4

Chemical characteristics

Color value, ml Iodine:	8.0
Acid value, mg KOH/g:	10.0
Peroxide value, ½ O mmol/kg:	2.3
Ether-insoluble substances, % by weight:	0.9
Impurities and foreign matter:	<u>Foreign matter:</u>
	Glass not allowed
	Packaging material not allowed
	Wood not allowed
	Plastic not allowed
	Sand not allowed
	Stones not allowed
	Metal not allowed

Microbiological characteristics

Enterobacteria:	none allowed
Salmonellae:	none allowed
Mold or yeast fungi:	none allowed

Packaging and shipping

Packaging:	none, bulk liquid
Shipping options:	tank trucks flexi-tanks in 20' containers

This is a reference product specification, provided for informational purposes only. To the best of our knowledge, all data, parameter values, and other data are correct and true, however, no guarantees can be given to that effect. The actual product specifications are subject to change without notice and can only be bindingly defined in a contractual agreement.

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