

Reference Product Specification

General Information

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| Product name: | Soybean Phosphatide Concentrate (Crude Lecithin) |
| Product grade: | SKh-1 ("CX-1") |
| Product description: | Food-grade crude lecithin obtained from soybean seed processing and soybean 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 |

Physical characteristics

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| 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

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| 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

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

Packaging and shipping

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| 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.

Manufacturer:

Private Enterprise "Viktor & K"
2 Vysotskogo Str., vill. Vlasivka, Svitlovodsk,
Kirovograd Region, 27552 Ukraine

<http://kingsmak.com.ua/en/industrial-products>

Phone: +38 05236 54012

E-mail: export@kingsmak.com.ua