

# PuraChol™

## Choline Chloride

### Product Specification Sheet 70% CHOLINE CHLORIDE with carrier

IFN 7-01-228

Product Code: F3080530

*Absorbed choline chloride on carrier conforming to AAFCO definition #90.25*

*An officially recognized vitamin ingredient for animal feed use as per 21 CFR 582.5252*

*Nutritional Additives – Vitamins and Provitamins according to 1831/2003/EC and EU 795/2013*

#### Product Specification:

Appearance - Tan to brown, free-flowing granules

Substrate Composition - Choline Chloride

Substrate Content - 70.0% Choline Chloride (318,000 mg/lb or 700,000 mg/kg) *Minimum*

Equivalent to 60.8% Choline Hydroxide (276,000 mg/lb or 608,000 mg/kg) *Minimum*

Equivalent to 52.2% Choline cation (237,000 mg/lb or 522,000 mg/kg) *Minimum*

Loss on drying – 2.0% *Maximum*

#### Typical Properties:

Heavy Metals		Dioxins	
Arsenic (As)	≤ 4 ppm	Dioxin TEQ	≤1.0 ng/kg
Cadmium (Cd)	≤ 0.5 ppm	Dioxin + PCBs TEQ	≤1.5 ng/kg
Fluorine	≤ 500 ppm	Non-dioxin-like PCBs	≤10 µg/kg
Lead (Pb)	≤ 10 ppm		
Mercury (Hg)	≤ 0.2 ppm		

*This product meets all E.U. feed hygiene requirements including low dioxin levels and low heavy metal content.*

*EU undesirable substances are verified, at a minimum, annually.*

*No animal products or animal byproducts are used in the manufacturing process.*

*This material is free of risk for BSE/TSE.*

- Application:** An absorbed choline chloride feed additive in a chemically stable form for all species of livestock. Do not use as final feed.
- Ingredients:** Choline Chloride, Dehydrated cereal grass and corn cobs  
*This product may contain ingredients sourced from GM varieties.*
- Dosage:** Use in accordance with in house requirements or with current NRC guidelines. There is no restriction for the maximum level of choline chloride in feed except for an EU recommendation not to exceed supplemental levels of 1000 mg of choline chloride per kg of complete feed for poultry and pigs.
- Precautions:** Generally regarded as safe (GRAS). Avoid contact with eyes and skin. Avoid breathing dust. Wash thoroughly after handling.
- Storage:** Hygroscopic material. Keep dry in sealed bags. Store below 120°F (50°C). Recommended storage temperature 50° - 90°F (10° - 32°C)
- Packaging:** 25-kg poly-lined bags, Bulk bags, Bulk shipments
- Shelf life:** Best if used within two years from manufacturing date, if kept dry in unopened bags.

**Made in the USA**



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