

ALBO CHOLINE 25 (coated)

Application:	Highly concentrated micro encapsulated Choline chloride Coated Choline Chloride plays a crucial role in supporting the health and productivity of dairy cows, especially around calving time. Perfect palatability and solubility. Specific for transition diets in dairy cows.
Activity:	ALBO CHOLINE 25 contains min. 25 % calcium from calcium chloride chloride. The coating is made from a composition of fatty acids and fats of vegetable origin (approx. 60 % fat per ether extract), Calcium carbonate
Benefits:	ALBO CHOLINE, is a powerful nutritional tool for dairy cows—especially during the transition period (3 weeks before to 3 weeks after calving). It supports Liver Health & Prevents Fatty Liver. Choline is essential for exporting fat from the liver as very-low-density lipoproteins (VLDL). Supplementation reduces hepatic triglyceride accumulation, lowering the risk of fatty liver syndrome and clinical/subclinical ketosis Palatability: The coating masks the bitter taste of calcium chloride, reducing feed refusal.
Usage:	Dairy cows: 25-30 g/head per day Other ruminants: 100-120 g per 100 kg of complete feed
Loss on drying:	Max. 9,0 %
Solubility:	Albo CHOLINE is not soluble in water
Bulk density:	0,65-08 g/cm ³
Description:	The product consists of solid microcapsules or microspheres obtained by spray cooling microencapsulation technology. The microcapsules are solid, spheroidal and polynucleated with a diameter between 0.3 and 2 mm; which the active ingredient is dispersed in a lipid matrix. This technology gives the product high fluidity, flowability, absence of dust and high miscibility with feed, mineral feed and premixes. Microencapsulation provides protection from external agents and allows a controlled release of the active ingredient. In ruminants, the product allows a reduction in the loss of the active ingredient at rumen level, increasing its bioavailability. The product maintains its qualitative characteristics even after the pelletization process.
Aspect	Microprill
Colour	White cream
Odour	Typical
Sieve analysis	from 355to 2.000 µm , min 70 %
Angle of repose	max 35°

ORGANOLEPTIC CHARACTERISTICS:

Characteristic	U.M.	Value	Method
Appearance	-	Micropills	Visual control
Colour	-	White - Cream	Visual control
Odour	-	Typical	F.U. IX Ed. Vol.1

PHYSICAL DATA:

Character	U.M.	Min value	Method
Sieve analysis	µm	500 < 70% < 1.400	ALB0511

ASSAY:

Analytical values	U.M.	Optimal value	Min value	Max	Method
Calcium	%	25,0	23,75	26,25	ALB0601

UNDESIRABLE SUBSTANCES:

Heavy metals	U.M.	Typical Value	Max value	Reference
Pb (lead)	mg/kg	< 0,5	200	Law limit
Cd (cadmium)	mg/kg	< 0,1	15	Law limit
Hg (mercury)	mg/kg	< 0,02	0,1	Internal limit
As (arsenic)	mg/kg	< 0,5	2	Internal limit

Dioxin, furan and PCB	U.M.	Max value	Reference
PCDD + PCDF	ng OMS-PCDD/FTEQ/kg	1 (0,5 action level)	European legislation
PCDD + PCDF + PCB Dioxin like	ng OMS-PCDD/FTEQ/kg	1,5	European legislation
PCB Dioxin like	ng OMS-PCDD/FTEQ/kg	0,35 (action level)	European legislation
PCB Dioxin no like	mg/kg	10	European legislation

Storage: Keep well closed, dry and cool.

Stability: guaranteed activity for 24 months after manufacture, if kept in the original, unopened packing and adequate storage conditions provided

Packaging: 25 kg net bags

Compiled Q.C

Approved Q.A.