

Product Specification Sheet

PuraChol™
Choline Chloride

75% Choline chloride on vegetable carrier

Grade	Nutritional Additive; functional group vitamins, pro-vitamins and chemically well-defined substances having similar effect. Active substance 75 wt.% Choline Chloride (3a890)
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Quality (Declared on CoA)	Determination	Specification	Reference
	Choline chloride	75±2 % w/w	SAM 269.22
	Moisture	2.5 % w/w max	SAM 280.17
	Particle size > 2.0 mm	2 % max	SAM 721.06
	Particle size > 0.850 mm	35 % max	SAM 721.06

Appearance	Free-flowing tan colored powder with faint characteristic odor
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Product characteristics	Typical	Reference
Trimethylamine	250 ppm w/w max	SAM 839.04
Apparent bulk density	600-750 Kg/m ³	SAM 243.06
Packed bulk density	650-850 Kg/m ³	SAM 720.06

Ion Chromatographic method (SAM 839.05) for testing choline chloride content is available on request

Retest date	24 months from date of manufacture (in original packaging and protected from excessive heat)
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Formula	C ₅ H ₁₄ NOCl
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Synonyms	(2-hydroxyethyl) trimethylammonium chloride CAS N°: 67-48-1
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Physical Properties	See Safety Information Card
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Recommended storage conditions	Protect from excessive heat. Keep the containers tightly closed, the product is hygroscopic
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Composition	Feed additive preparation: <ul style="list-style-type: none"> - Choline chloride (3a890) - Vegetable carrier - Salts of fatty acid
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Packaging	Polypropylene woven FIBC	Balchem Italia product code: 5416682
	500 kg net with multilingual labeling.	
	Standard pallet configuration:	1 big bag on a wooden "CP 9" HT pallet (IPPC-FAO), size 1140 x 1140 mm, with PE stretch film
	Standard dimensions:	Net weight: 500 kg Gross weight: 520 kg Pallet size (w x l x h): 1140 x 1140 x 1500 mm

Polypropylene woven FIBC
Balchem Italia product code: 5416698

1100 kg net with multilingual labeling.

Standard pallet configuration: 1 big bag on a wooden "CP 9" HT pallet (IPPC-FAO), size 1140 x 1140 mm, with PE stretch film.

Standard dimensions:	Net weight:	1100 kg
	Gross weight:	1120 kg
	Pallet size (w x l x h):	1140 x 1140 x 1500 mm

Polyethylene bag
Balchem Italia product code: 5416700

25 kg net with multilingual labeling.

Standard pallet configuration: 50 bags on a wooden HT pallet (IPPC-FAO) size 1000 x 1200 mm with PE shrink pallet cover.

Standard pallet dimensions:	Net weight:	1250 kg
	Gross weight:	1270 kg
	Pallet size (w x l x h):	1050 x 1250 x 1450 mm

Bulk in silo trucks (25 tons)
Balchem Italia product code: 5416679

Health and safety	Breathing, eye and skin protection shall be used during handling Choline Chloride is not classified according to the CLP Regulation (EC) N° 1272/2008 See our Safety Data Sheet	
Regulatory info	Choline chloride is authorized as Feed Additive by Regulation (EU) No 795/2013 from 21 August 2013 and included in the European Union Register of Feed additives in the category "Nutritional Additives" with identification number 3a890 Choline chloride 75% -veg is a feed additive preparation under the Regulation (EU) N° 2015/327 Balchem Italia is registered for production of choline chloride according to regulation 183/2005/EC (registration number αITM00001 NO)	
Directions for use (other provisions (EU) N° 795/2013)	All animal species Choline chloride may be used via water for drinking The labelling of feed for poultry and pigs containing choline chloride should indicate in the instructions of use: 'simultaneous use with water for drinking in which choline chloride has been added should be avoided' Recommended not to exceed supplemental levels of 1000 mg of choline chloride/kg of complete feed for poultry and pigs	
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Certifications	Feed safety	ISO 22000:2005 and FAMI-QS Management System
	Quality	ISO 9001:2015
	Environmental	ISO 14001:2015
Note	These conditions can be subject to amendments	
Version	November 2020	