



Calcium carbonate

Inorganic chemical compound with the formula CaCO_3 . It is commonly found in rocks, notably limestone (as calcite and aragonite), and it is the main component of marine shells. Calcium carbonate is used in animal feeding as a source of calcium.



Values

Averages as fed / on DM / other unit Min/max as fed Min/max on DM Min/Max other unit

Main constituents

Parameter	As fed	On DM	Unit	Other	Unit
<u>Dry matter</u>	99.9	100	%	-	
<u>Crude protein</u>	0	0	%	-	
<u>Crude fibre</u>	0	0	%	-	
<u>Crude fat</u>	0	0	%	-	
<u>Ash</u>	99.3	99.5	%	-	
<u>Insoluble ash</u>	1	1	%	-	
<u>NDF</u>	0	0	%	-	
<u>ADF</u>	0	0	%	-	
<u>Lignin</u>	0	0	%	-	
<u>Water insoluble cell walls</u>	0	0	%	-	
<u>Starch</u>	0	0	%	-	
<u>Starch, enzymatic method</u>	0	0	%	-	
<u>Total sugars</u>	0	0	%	-	
<u>Gross energy_(kcal)</u>	0	0	kcal/kg	-	
<u>Gross energy_(MJ)</u>	0	0	MJ/kg	-	

Mineral elements

Parameter	As fed	On DM	Unit	Other	Unit
<u>Calcium</u>	387	387	g/kg	-	
<u>Phosphorus</u>	0.3	0.3	g/kg	-	
<u>Phytate phosphorus</u>	0	0	g/kg	0	% P
<u>Magnesium</u>	3.2	3.2	g/kg	-	
<u>Potassium</u>	0.4	0.4	g/kg	-	
<u>Sodium</u>	0.64	0.64	g/kg	-	
<u>Chlorine</u>	0.6	0.6	g/kg	-	
<u>Sulfur</u>	0.7	0.7	g/kg	-	
<u>Dietary cation-anion difference</u>	-21	-21	mEq/kg	-	
<u>Electrolyte balance</u>	21	21	mEq/kg	-	

Parameter	As fed	On DM	Unit	Other	Unit
<u>Manganese</u>	106	106	mg/kg	-	
<u>Zinc</u>	25	25	mg/kg	-	
<u>Copper</u>	2492	2495	mg/kg	-	
<u>Iron</u>	1698	1700	mg/kg	-	
<u>Selenium</u>	0	0	mg/kg	-	
<u>Cobalt</u>	0	0	mg/kg	-	
<u>Molybdenum</u>	0	0	mg/kg	-	
<u>Iodine</u>	3	3	mg/kg	-	

Fatty acids

Parameter	As fed	On DM	Unit	Other	Unit
<u>C6 + C8 + C10 fatty acids</u>	0	0	g/kg	0	% FA
<u>C12:0 lauric acid</u>	0	0	g/kg	0	% FA
<u>C14:0 myristic acid</u>	0	0	g/kg	0	% FA
<u>C16:0 palmitic acid</u>	0	0	g/kg	0	% FA
<u>C16:1 palmitoleic acid</u>	0	0	g/kg	0	% FA
<u>C18:0 stearic acid</u>	0	0	g/kg	0	% FA
<u>C18:1 oleic acid</u>	0	0	g/kg	0	% FA
<u>C18:2 linoleic acid</u>	0	0	g/kg	0	% FA
<u>C18:3 linolenic acid</u>	0	0	g/kg	0	% FA
<u>C18:4 stearidonic acid</u>	0	0	g/kg	0	% FA
<u>C20:0 arachidic acid</u>	0	0	g/kg	0	% FA
<u>C20:1 eicosenoic acid</u>	0	0	g/kg	0	% FA
<u>C20:4 arachidonic acid</u>	0	0	g/kg	0	% FA
<u>C20:5 eicosapentaenoic acid</u>	0	0	g/kg	0	% FA
<u>C22:0 behenic acid</u>	0	0	g/kg	0	% FA
<u>C22:1 erucic acid</u>	0	0	g/kg	0	% FA
<u>C22:5 docosapentaenoic acid</u>	0	0	g/kg	0	% FA
<u>C22:6 docosahexaenoic acid</u>	0	0	g/kg	0	% FA
<u>C24:0 lignoceric acid</u>	0	0	g/kg	0	% FA
<u>Fatty acids</u>	0	0	%	0	% fat

Vitamins and pigments

Parameter	As fed	On DM	Unit	Other	Unit
<u>Vitamin A</u>	0	0	1000 IU/kg	-	
<u>Vitamin D</u>	0	0	1000 IU/kg	-	
<u>Vitamin E</u>	0	0	mg/kg	-	
<u>Vitamin K</u>	0	0	mg/kg	-	
<u>Vitamin B1 thiamin</u>	0	0	mg/kg	-	
<u>Vitamin B2 riboflavin</u>	0	0	mg/kg	-	
<u>Vitamin B6 pyridoxine</u>	0	0	mg/kg	-	
<u>Vitamin B12</u>	0	0	µg/kg	-	
<u>Niacin</u>	0	0	mg/kg	-	
<u>Pantothenic acid</u>	0	0	mg/kg	-	
<u>Folic acid</u>	0	0	mg/kg	-	

Parameter	As fed	On DM	Unit	Other	Unit
<u>Biotin</u>	0	0	mg/kg	-	
<u>Vitamin C</u>	0	0	mg/kg	-	
<u>Choline</u>	0	0	mg/kg	-	

Other parameters

Parameter	As fed	On DM	Unit	Other	Unit
<u>Phytase activity</u>	0	0	IU/kg	-	

Ruminants

Parameter	As fed	On DM	Unit	Other	Unit
<u>UFL INRA 2018</u>	0	0	per kg	-	
<u>UFV INRA 2018</u>	0	0	per kg	-	
<u>PDIA INRA 2018</u>	0	0	g/kg	-	
<u>PDI INRA 2018</u>	0	0	g/kg	-	
<u>Rumen protein balance INRA 2018</u>	0	0	g/kg	-	
<u>Fill Unit ruminants INRA 2018</u>	0	0	per kg	-	
<u>ME ruminants INRA 2018 (kcal)</u>	0	0	kcal/kg	-	
<u>NE lactation ruminants INRA 2018 (kcal)</u>	0	0	kcal/kg	-	
<u>NE meat production ruminants INRA 2018 (kcal)</u>	0	0	kcal/kg	-	
<u>OM digestibility ruminants INRA 2018</u>				-	0 %
<u>Energy digestibility ruminants INRA 2018</u>				-	0 %
<u>N degradability ruminants INRA 2018</u>				-	0 %
<u>DM degradability ruminants INRA 2018</u>				-	0 %
<u>Starch degradability ruminants INRA 2018</u>				-	0 %
<u>Lysine ruminants INRA 2018</u>				-	0 % PDI
<u>Threonine ruminants INRA 2018</u>				-	0 % PDI
<u>Methionine ruminants INRA 2018</u>				-	0 % PDI
<u>Isoleucine ruminants INRA 2018</u>				-	0 % PDI
<u>Valine ruminants INRA 2018</u>				-	0 % PDI
<u>Leucine ruminants INRA 2018</u>				-	0 % PDI
<u>Phenylalanine ruminants INRA 2018</u>				-	0 % PDI
<u>Histidine ruminants INRA 2018</u>				-	0 % PDI
<u>Arginine ruminants INRA 2018</u>				-	0 % PDI
<u>UFL FL1 INRA 2018</u>	0	0	per kg	-	
<u>UFV FL1 INRA 2018</u>	0	0	per kg	-	
<u>PDIA FL1 INRA 2018</u>	0	0	g/kg	-	
<u>PDI FL1 INRA 2018</u>	0	0	g/kg	-	
<u>Rumen protein balance FL1 INRA 2018</u>	0	0	g/kg	-	
<u>UFL FL4 INRA 2018</u>	0	0	per kg	-	
<u>UFV FL4 INRA 2018</u>	0	0	per kg	-	
<u>PDIA FL4 INRA 2018</u>	0	0	g/kg	-	
<u>PDI FL4 INRA 2018</u>	0	0	g/kg	-	
<u>Rumen protein balance FL4 INRA 2018</u>	0	0	g/kg	-	
<u>UFL INRA 2007</u>	0	0	per kg	-	