

FEATURES AND APPLICATIONS

CARBOFER C39 is a natural iron carbonate extracted from a layer of a great purity. Its content of assimilable iron is particularly high and places it among the best iron carriers. Its assimilability classifies it like trace element of choice.

With a "chamois" colour, it appears as an insensitive flour with ambient moisture. It is easy to employ and can be mixed with any type of preparation.

CARBOFER C39 is standardised in its chemical composition and its granulometry. Furthermore, Carbofer C39 is controlled in a rigorous way to each stage of its manufacturing process.

APPLICATIONS :

Iron carrier in the formulation of the animal nutrition.

PARTICLE SIZE ANALYSIS AND PHYSICAL PROPERTIES

Typical values.

Characteristics	Units	Results	Method
+100 µm	%	0.2	Wet sieve
+75 µm	%	< 5	Wet sieve
+45 µm	%	16	Wet sieve
+32 µm	%	38	Wet sieve
Loose apparent density	g/cm ³	1.3	Internal – U01
Tapped apparent density	g/cm ³	1.9	Internal – U01
Moisture (105°C)	%	< 0.5	Internal – A01

PRODUCER

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AGREEMENT NUMBER : α FR 34023001

CARBOFER C39 (FeCO₃, Iron/Ferrous carbonate)

3b101 Compounds of trace elements - Iron(II) carbonate (siderite), min. 39% Fe.

Powder sourced from mined ore, containing siderite, with a minimum content of 70% FeCO₃ and of 39% total iron.

Chemical formula: FeCO₃ - CAS Number: 563-71-3.

All animal species except piglets, calves, chicken up to 14 days and turkey up to 28 days.

Ovine: 500 (total) in mg/kg of complete feed.

Bovines and poultry: 450 (total) in mg/kg of complete feed.

Pet animals: 600 (total) in mg/kg of complete feed.

Other species: 750 (total) in mg/kg of complete feed. Iron(II) carbonate should not be used as iron source for young animals due to its limited bioavailability.



CHEMICAL ANALYSIS

Typical values.

Elements	Weight %	Method
Fe Total	41 Min. 39	XRF
SiO ₂	1.0	XRF
CaO	1.4	XRF
Al ₂ O ₃	0.2	XRF
MgO	3.2	XRF
MnO	5.2	XRF
Undesirable substances		
As	10 ppm	ICP-MS
Cd	0,1 ppm	ICP-MS
Pb	25 ppm	ICP-MS
Hg	0,03 ppm	ICP-MS
Total I-TEQ PCDD/F	0,07 pg/g de produit à 12% d'humidité	(Ref. I-TEQ OMS/2005) Method HRGC-HRMS
Somme TEQ PCDD/F-PCBdl	0,15 pg/g de produit à 12% d'humidité	(Ref. I-TEQ OMS/2005) Method HRGC-HRMS
PCB Indicateurs – somme 6 PCB	1,5 µg/kg de produit à 12% d'humidité	GC-HRMS



Please feel free to contact us for further information.

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