

TALKING FEED INGREDIENTS



NEWS FROM ALIPHOS

SEPTEMBER 2018



Aliphos will be present at the SPACE in Rennes.

SPACE IN RENNES FROM 11TH TILL 14TH SEPTEMBER

Aliphos will be present at the 32nd edition of the SPACE exhibition in Rennes.

Long traditions are there to be kept and so Aliphos will again be present with a booth at the SPACE exhibition this month.

In hall 9 we welcome our French, other EU and overseas customers to discuss with us new developments in the feed ingredients world.

It will also be an occasion for us to show you the latest trial results on performance and digestibility of Aliphos[®] Dical+ for poultry, pigs and turkeys.

Our commercial and nutritional support teams will be present and reply to your questions. But of course you are always welcome to enjoy a drink together with us.

Practical information SPACE:

- From Tuesday 11th till Friday 14th September
- Place: Parc-Expo in Rennes, France
- Aliphos booth: hall 9, B33



The Aliphos commercial and nutritional support team at SPACE 2017



ALIPHOS[®] DICAL+ SHOWING HIGH DIGESTIBILITY IN PIGLETS

After digestibility trials with poultry in collaboration with the WUR in Wageningen, the Netherlands, which showed superior values for Aliphos[®] Dical+, we commissioned a performance and ileal P-digestibility trial on piglets. This trial was conducted at Schothorst

Feed Research center in the autumn of 2017.

Set-up pre-experimental period:

- 42 animals were selected at weaning and housed for 3 weeks in commercial piglet facilities
- At 21 days post weaning all animals were individually weighed

Set-up experimental period (21 days):

- 7 treatments with 6 (control) or 5 replicates (individual animals)
- Male pigs with an average weaning weight of 7.5 kg and average age of 26 days
- At the beginning, after 13 days and at the end pigs were weighed individually

- On day 21, pigs were sacrificed 4.5 hours after last meal

Composition of the experimental diet:

Basal	g/kg
Maize starch	535
Casein	80
Potato protein	65
Whey powder	61
Egg white powder	59
Soy oil	45
Sugar	40
Diamol	35
Cellulose	20
Fibre cell	10
Premix/mineral/rest	23
Titanium oxide	5

(Titanium oxide is added as inert marker for the calculation of ileal digestibility)

In this trial Dical+ was compared with anhydrous DCP and MCP each at two inclusion rates and a control group without addition of inorganic feed phosphate:

Test diets	Control	MCP 1	Dical+ 1	DCP 1	MCP 2	Dical+ 2	DCP 2
CaCO ₃	1.9	1.8	0.4		5.1	2.2	1.4
Diamol	11.4	7.4	7.7	8.1		0.7	1.5
Aliphos Monocal		4.13			8.26		
Aliphos Dical+			5.21			10.42	
Aliphos DCP				5.21			10.42

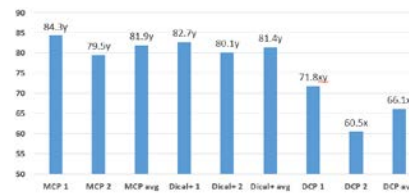
Performance results:

Test diets	Control	MCP 1	Dical+ 1	DCP 1	MCP 2	Dical+ 2	DCP 2
Body weight (kg)							
Day 0	14.4	14.3	14.3	14.3	14.2	14.6	14.4
Day 21	26.6 ^a	28.8 ^a	28.7 ^a	28.5 ^a	29.6 ^a	29.5 ^a	28.3 ^a
ADG (g/day)							
Day 0 - 21	582 ^a	686 ^a	680 ^a	672 ^a	723 ^a	718 ^a	659 ^a
ADFI (g/day)							
Day 13 - 21	1071	1185	1113	1120	1154	1136	1141
FCR (g/g)							
Day 13 - 21	1.44	1.40	1.26	1.21	1.30	1.29	1.37

a,b: values with different superscript are significantly different (P < 0.05)

x,y: values with different superscript tend to be significantly different (0.05 < P < 0.10)

Ileal digestibility:



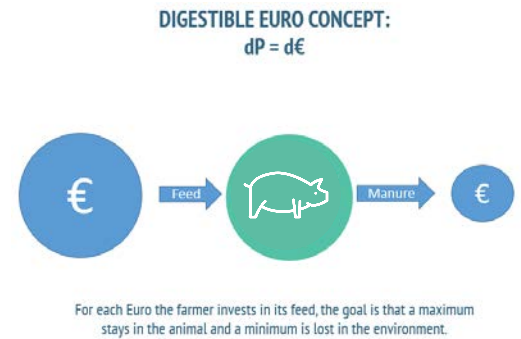
Conclusion: as already demonstrated in the trials with broilers, Aliphos® Dical+ has the same ileal digestibility as MCP and a much higher P-digestibility than anhydrous DCP. Thanks to its crystalline dihydrate structure and its high chemical purity (with very low heavy metal content: Cd < 1 ppm) it is the preferred inorganic calcium phosphate for monogastrics.

Efficient nutrition is important as well for the farmer as for the environment. For this reason feed formulations should take in account nutrient digestibility, certainly also of minerals like phosphorus. Excess of phosphorus rejected in the environment can be the cause of eutrophication of surface water. Diets should be optimized so that the losses through excrements are as low as possible.

Losses of nutrients in the environment also mean losses of money. Nutrients and so money should stay in the piglet (or any other animal) and not be lost into the waste.

Efficient nutrition is at the same time **economic and ecological**.

For this reason Aliphos developed the "Digestible Euro Concept":



ALIPHOS MEETING ITS CUSTOMERS

Meeting customers is highly valued by us. That's why, also this year, Aliphos was and will be present at several events to meet our customers.

- Aliphos participated at APA-2018, Taipei where we presented a trial using shrimp in which again the superiority of

Windmill® Aquaphos as P-source in aquaculture was shown.

- Besides the SPACE exhibition in France, Aliphos will be present with a booth at **Vietstock/Aquaculture Vietnam** from 17th till 19th October in Ho Chi Minh City and at **Agrena Egypt** in Cairo from 25th till 27th October.

- We look forward to welcome you at **Eurotier**, the world's leading trade fair for animal production in Hanover, from **13th till 16th November**. You can find us in **hall 20, booth E57**.

We will keep you informed about coming events at which we will participate.

MORE INFORMATION ON ALIPHOS AND ECOPHOS CAN BE FOUND ON WWW.ALIPHOS.COM AND WWW.ECOPHOS.COM



T. +31 10 445 2777 • Fax +31 10 445 2738
animalnutrition@aliphos.com • www.aliphos.com

MEMBER OF
ECOPHOS GROUP