



MCFA

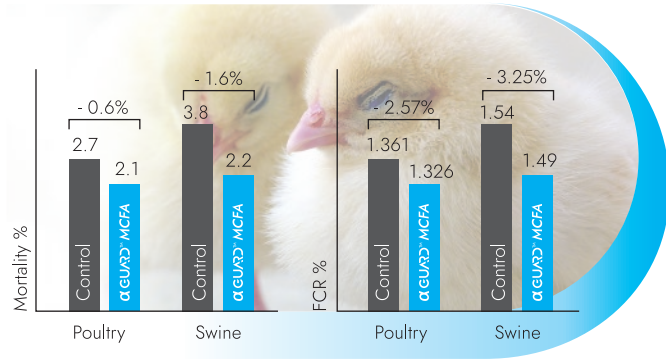
**α GUARD™**

Improve Growth & Feed Conversion  
Improve Gut Health & Integrity  
Highly Antimicrobial

**α GUARD™ MCFA** offers the promising antibiotic free solutions for your farm. It is carefully selected to combine a high energy source with high availability of caprylic acid (C8:0), Capric acid (C10:0) and Lauric acid (C12:0) in free fatty acid form, with the added benefit of a guaranteed supply.

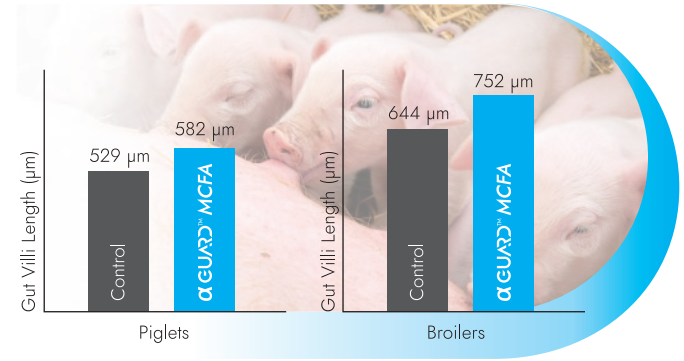
**α GUARD™ MCFA** will help you in better feed conversion ratio and growth performance, consistently in poultry and swine industry.

### IMPROVE ANIMAL GROWTH PERFORMANCE & FEED CONVERSION



### IMPROVE GUT HEALTH & INTEGRITY

**α GUARD™ MCFA** promote healthy gut microbiota, resulting higher villi length.



Naeyaert, W., 2015. MCFA as an alternative to antibiotic growth promotants. Asian Pork Magazine, August 2015. Pp. 4-6.  
 Lange, L. D., et al., 2015. Improved feed efficiency by MCFA is related to decreased numbers of bacteria and lactobacilli in ileal content of broilers, pp. 1-4.  
 Clercq, G. D., 2017. Effect of free medium chain fatty acids post-weaning piglets. Pig Progress, Jun 20, 2017. Pp. 1-2.  
 Khosravinia, 2015. Effect of dietary supplementation of medium chain fatty acids on growth performance and prevalence of carcass defects in broiler chickens raised in different stocking densities. Poultry Science Association, Inc. pp. 1-9.

### HIGHLY ANTIMICROBIAL

Table: Minimum inhibitory concentrations (MIC) in g/100mL of organic acids and MCFAs against different bacteria

Bacteria	Formic Acid (C1)	Propionic Acid (C3)	Butyric Acid (C4)	α GUARD™ MCFA
<i>Escherichia coli</i>	>1	>1	>1	0.5
<i>Salmonella enteritidis</i>	>1	>1	>1	0.5
<i>Staphylococcus aureus</i>	0.5	>1	>1	0.25
<i>Bacillus cereus</i>	>1	>1	>1	0.25
<i>Clostridium perfringens</i>	0.5	>1	0.25	0.05
<i>Campylobacter jejuni</i>	0.5	0.5	0.5	0.05
<i>Enterococcus faecalis</i>	>1	>1	>1	0.25

Naeyaert, W., 2017. The use of medium chain fatty acids as alternatives to antibiotic use in pigs. VIV News, May 2017. Pp 1-3.

NUTRITION	MCFA
FATTY ACID PROFILE	
C8:0	30
C10:0	30
C12:0	40

DOSE	FEED RATION	PACKING	HANDLING
Pig	1-2kg/MT	930 KG IBC	Liquid
Poultry	0.5-1.5kg/MT	20 MT ISO TANK	



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