



L-VALINE

CHEMICAL STRUCTURE OF L-VALINE

$$H_3C$$
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Produced by fermentation with a approved safe microorganism and designed to meet the digestible valine requirements of high-yielding genetics

MAIN BENEFITS OF L-VALINE

ESSENTIAL AMINO ACID FOR MUSCLE CELL METABOLISM

01

Piglet: Advanced nutrition

• In piglet nutrition, there is growing awareness that the inclusion of 70% digestible to lysine ratio is optimized growth performance and gut health.

02

Sow: Optimized performance

• A sufficient supply of L-Valine is directly related to milk composition which aids in maintaining piglet weight gain.

03

Broiler: Positive response

• L-Valine aids in maintaining growth performance by optimizing ADG, FCR and body protein synthesis.

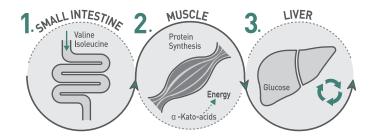
04

Layer: Increased productivity

 L-Valine supplementation aid in maintaining healthy body weight and optimal egg production.



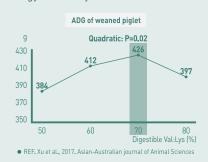
HOW L-VALINE IS USED IN THE BODY?



L-VALINE FOR SWINE AND POULTRY

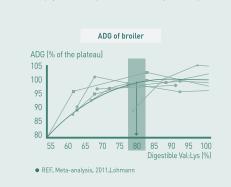
PIGLET

- Recommendation: 70% VAL:LYS ratio
- Optimized performance: Weight gain ↑ & FCR↓
- Gut development: Diarrhea incidents ↓
 & Energy efficiency ↑



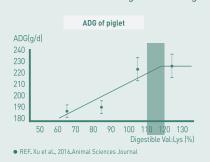
BROILER

- Recommendation: 80% VAL:LYS ratio
- Optimized performance (ADG, FCR)
- Body protein synthesis ↑ & proteolysis ↓



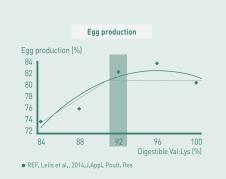
SOW

- Recommendation: 113% VAL:LYS ratio
- Optimized lactation performance
 Mammary function & Piglet growth
- Backfat loss **↓**: Shortening WEI & Longevity



LAYER

- Recommendation: 92% VAL:LYS ratio
- Optimized productivity (FCR, egg production improvement)
 Decreases body loss



• [Product Guarantee]

Valine	Minimum	96.5 %	HPLC, AOAC 999.13
Moisture	Maximum	1.5 %	105°C for 4 hours
Purity	Minimum	98 %	L-Valine on dry matter