



# **L-ARGININE**

## CHEMICAL STRUCTURE OF L-ARGININE

$$H_2N$$
 $H_2N$ 
 $H_2$ 
 $H_2$ 
 $H_2$ 
 $H_2$ 
 $H_2$ 

CJ L-Arginine, a conditionally essential amino acid, is necessary for maintenance, growth, reproduction, and immunity. Poultry are not able to synthesize Arg themselves, and therefore depend on dietary Arg to meet their needs for protein synthesis and other functions.

### MAIN BENEFITS OF L-ARGININE

100% BIO ABAILABLE

**1** Fermentation based

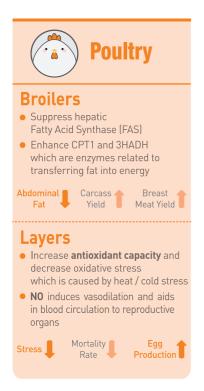
 CJ L-Arginine is produced with an innovative fermentation processes using raw sugar, thus combining sustainability and efficiency in animal nutrition



- Promote Nitric Oxide [NO] synthesis and aid in blood circulation
- Suppress Fatty Acid Synthase [FAS] impacting abdominal fat deposition

  | CJ has sponsored research which has been published showing this, which would be perfect.
- Growth hormone synthesis 05 Stimulate cell proliferation
- Enhance antioxidant enzymes aiding in oxidative stress management

# Main functions of L-ARGININE in livestock







## CJ BIO L-ARGININE SPECIFICATION

### • [Chemical Description]

Chemical Structure	NH O H <sub>2</sub> N NH OH NH <sub>2</sub>		
Molecular formula	C6H14N4O2		
Molecular weight	174.20 g/mol		
Isomar	L (Laevo-rotatory)		

#### • [ Product Guarantee ]

L-Arginine	Minimum	98.5 %	HPLC(FCC/USP/EP)
Moisture	Maximum	0.5 %	FCC, USP