



青 岛 润 昌 化 工 有 限 公 司
QINGDAO SAMIN CHEMICAL CO.,LTD.

SPECIFICATION

Product Name	L-Arginine Alpha-Ketoglutarate (2:1)
CAS №	16856-18-1
Molecular Formular	$C_6H_{14}N_4O_2 \cdot C_5H_6O_5$
Specification Version	In house
Shelf Life	24months
Package	25kg / drum

ITEM

Appearance

Assay

Assay

(Dry basis)

Solubility

pH

Specific rotation

Loss on drying

Residue on ignition

Heavy metals (as Pb)

As

Chloride(Cl^-)

Iron(Fe^{3+})

pile up the density

L-Arginine

alpha-ketoglutaric acid

SPECIFICATION

White to yellowish crystalline powder

$\geq 98.0\%$

64.7~71.5%

26.5~30.5%

Clear (1g in 20ml H_2O)

5.5~7.0 (10% H_2O)

$+17.5 \pm 1.0^\circ$ (8g/100ml, 6N HCL)

$\leq 0.50\%$

$\leq 0.10\%$

$\leq 10ppm$

$\leq 1ppm$

$\leq 500ppm$

$\leq 10ppm$

0.50 ± 0.05 g/ml

Microbiology Control

Total plate count

Yeasts & Molds

E.coli

Salmonella

$\leq 1000cfu/g$

$\leq 100cfu/g$

Negative

Negative

Storage: Store in cool and dry place, in a well-close container, keep away from strong light and heat.

QINGDAO SAMIN CHEMICAL CO.,LTD.

A718 Heda Plaza, 177 Tailiu Road, Qingdao, China

Tel: +86 532 88960696 Fax: +86 53288960698

contact@saminchemical.com www.saminchemical.com