



ACROSS BIOTECH
MAKE A DIFFERENCE

Certificate of Analysis

Product:	alpha-Ketoglutaric acid	Cas No.:	328-50-7
Quantity:	400 KG	Package:	25kg/drum
MFG Date:	2025/05/20	B-tch No.:	AKG25051901
EXP Date:	2027/05/19	Standard:	In house

Item	Specification	Results
Characteristics	White or yellowish crystalline powder	Conform
Solubility (10% in water)	Colorless to almost colorless	Conform
Transmittance	$\geq 95\%$	98.1%
Loss on drying	$\leq 0.5\%$	0.12%
Residue on Ignition	$\leq 0.2\%$	0.04%
Sulphate	$\leq 0.02\%$	<0.02%
Chloride	$\leq 0.02\%$	<0.02%
Ammonium	$\leq 0.02\%$	<0.02%
Calcium	$\leq 0.02\%$	<0.02%
Iron	$\leq 10\text{ppm}$	<10ppm
Heavy metals (as Pb)	$\leq 10\text{ppm}$	<10ppm
As	$\leq 1\text{ppm}$	<1ppm
Total Plate Count	$\leq 1000\text{cfu/g}$	<1000cfu/g
Yeast	$\leq 50\text{cfu/g}$	<50cfu/g
Mold	$\leq 50\text{cfu/g}$	<50cfu/g
E. Coli	Negative	Negative
Salmonella	Negative	Negative
Assay	98.0-102.0%	99.8%
Conclusion:	This batch of goods meets the standard of In house.	

