

**Certificate of Analysis- Phenibut**  
**(4-Amino-3-phenylbutyric Acid HCL)**

**Batch Number:** KHPH230405

**CAS#:** 1078-21-3

**Batch Quantity:** 500kg

**Manufacture Date:** Apr. 05, 2023

**Analysis Date:** Apr. 05, 2023

**Certificate Date:** Apr. 10, 2023

ANALYSIS ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White crystalline fine powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Melting point	194°C -202°C	196.5°C-198.5°C	USP
Residue on Ignition	≤0.1%	0.06%	750c/5hrs
Loss on drying	≤0.5%	0.25%	105c/3hrs
pH Value	2.3-2.7	2.53%	USP
Sulfate	≤0.05%	Complies	USP
Related substances	≤0.5%	0.07%	HPLC
Heavy Metals	<10ppm	Complies	AAS
Iron	<60ppm	Complies	AAS
Lead	<1ppm	Complies	AAS
Arsenic	<1ppm	Complies	AFS
Cadmium	<1ppm	Complies	AAS
Mercury	<1ppm	Complies	AFS
Total Plate Count	<1000cfu/g	80cfu/g	CP2005
Yeast & Mold	<100cfu/g	30cfu/g	CP2005
S. aureus and P.aeruginosa	Negative	Complies	CP2005
E.Coli	Negative	Complies	CP2005
Salmonella	Negative	Complies	CP2005
Assay			
Phenibut	≥99.0%	99.38%	HPLC

**Storage:** Store in a well-closed container away from moisture and sunshine.