



Certificate of Analysis

Product name	4-Amino-3-Phenylbutyric Acid HCl	Manufacture date	Apr.06.2023
Batch number	FQ230406	Analysis date	Apr.07.2023
Batch quantity	500kg	Expiry date	Apr.06.2025

ANALYSIS	SPECIFICATION	RUSULT	METHOD
Appearance	White crystalline powder	White crystalline powder	Organoleptic
Identification	Chemical or IR Method	Positive	USP
PH	2.3~2.7	2.56	USP
Loss on drying	≤0.5%	0.18%	USP
Assay	≥99.0%	99.35%	HPLC
Melting point	194℃~202℃	198.5℃~200.5℃	USP
Residue on Ignition	≤0.1%	0.05%	USP
Related substance	≤0.5%	0.04%	HPLC
Heavy metals	≤10ppm	<10PPM	USP
Iron	≤50ppm	<50ppm	USP
Sulfate	≤500ppm	<500ppm	USP
Arsenic	≤2ppm	<2ppm	USP
Lead	≤3ppm	<3ppm	USP
Mercury	≤0.1ppm	<0.1ppm	USP
Cadmium	≤1ppm	<1ppm	USP
Conclusion	Conform with specification		

Packing description	Sealed export grade drum & double of sealed plastic bag
Storage	Store in a cool and dry place, stay away from strong light and heat
Shelf life	2 years when properly stored

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