

Certificate of Analysis

Product

4-Amino-3-Phenylbutyric Acid HCl (Phenibut)

The material is chemically and physically stable for a period of 3 years, provided it is stored in the original, un-opened containers, protected from moisture and light under ambient conditions. Continued storage beyond the designated shelf life does not necessarily mean that the product cannot be used. However, it is imperative for reasons of quality assurance to check the significant product data for the intended application.

Analysis items	Specifications	Results
Appearance	White crystalline powder	Conforms
Identification (IR)	Positive	Positive
Melting point	194 to 202°C	197,5 to 199,0°C
pH	2,3 to 2,7	2,62
Loss on drying	Max. 0,5 %	0,18 %
Residue on ignition	Max. 0,1 %	0,04 %
Heavy metals	Max. 10 ppm	< 10 ppm
Arsenic	Max. 2 ppm	< 2 ppm
Lead	Max. 3 ppm	< 3 ppm
Mercury	Max. 0,1 ppm	< 0,1 ppm
Cadmium	Max. 1 ppm	< 1 ppm
Iron	Max. 50 ppm	< 50 ppm
Sulfate	Max. 500 ppm	< 500 ppm
Related substances (HPLC)	Max. 0,1 %	0,07 %
Assay	Min. 99 %	99,42 %

The above information does not replace quality control on receipt of product.