



Certificate of Analysis

Product Name:	Phenibut hydrochloride	Batch Number:	Varies
CAS No.	3060-41-1	Manufacture Date:	Varies
Molecular Formula:	C ₁₀ H ₁₃ NO ₂	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		≥ 99%	99.46 - 99.8%
Physical	Appearance	Almost white crystal or crystalline powder	Complies
	Melting point	194 - 202°C	197~200.5°C
	Identification	1.2 (±)	Complies
	Relative materials	≤ 0.1%	Complies
	Loss on drying	≤ 0.5%	0.04 - 0.23%
	pH	2.3 - 2.7	2.4 - 2.61
	Clarity of solution	≤ 1 [#]	Complies
	Residue of ignition	≤ 0.1%	0.02 - 0.05%
Chemical	Heavy metals	≤ 10 ppm	Complies
	Iron (Fe)	≤ 50 ppm	Complies
	Sulfate	≤ 500 pm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
	Lead (Pb)	≤ 3 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

