Chengdu PNP Biotech Co., Ltd.

No. 13, South Section 1, Second Ring Road
Suite 709, Wuhou District, Chengdu
Sichuan 610041, P.R. China
info@pnpbiotech.com
www.pnpbiotech.com

SPECIFICATION SHEET

Benfotiamine 99%

Product Name	Benfotiamine	**CAS No.**	22457-89-2
Molecular Formula	C19H23N4O6PS	**Molecular Weight**	466.45

Test Item	Specification	Test Method
Appearance	White crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to RS	IR & HPLC
Assay	98.0%~102.0%	HPLC
Melting Point	≥ 198 ℃	USP <741>
Bulk Density	≥ 0.35 g/mL	USP <616>
Loss on Drying	≤ 1.2%	USP <731>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 100 cfu/g	USP <2021>
E. coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>
S. aureus	Negative	USP <2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Aug. 13, 2026