

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Benfotiamine		
<b>Batch Number</b>	20231128	<b>Manufacture Date</b>	20231128
<b>Report Date</b>	20231128	<b>Expiry Date</b>	20251127

Item	Specification	Result	Analysis Method
Description	White crystal or white crystalline powder	White crystalline powder	Visual
Identification	The retention time of main peak is accordant with that of Benfotiamine RS	conforms	ChP 2020
Melting point	≥198°C	204~206°C	ChP 2020
Loss on drying	≤1.2%	0.6%	ChP2020
Clarity and color of solution	Colorless to light yellow clear solution	Colorless and clear solution	ChP2020
Chloride	≤0.053%	<0.053%	ChP2020
Sulphate	≤0.011%	<0.011%	ChP2020
Heavy metals	≤20ppm	<20ppm	ChP2020
Cd	≤1ppm	<0.005ppm	ChP2020
As	≤1ppm	<0.01ppm	ChP2020
Pb	≤0.5ppm	<0.02ppm	ChP2020
Hg	≤0.3ppm	<0.005ppm	ChP2020
Bulk density	≥0.35g/ml	0.52g/ml	Internal Control
<b>Related substances</b>			
Thiamine	≤0.1%	0.07%	ChP2020
Benzoic acid	≤0.1%	Not Detected	ChP2020
Total impurities	≤1.0%	0.2%	ChP2020
Assay	98.0%~ 102.0%	100.8%	ChP2020
<b>Microbe. Test:</b>			
Total Plate Count	≤1000CFU/g	<10CFU/g	ChP2020
Yeast & Mold	≤100CFU/g	<10CFU/g	ChP2020
Salmonella	Negative	Negative	ChP2020
E.Coli	Negative	Negative	ChP2020
Staphylococcus Aureus	Negative	Negative	ChP2020

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

