

Certificate of Analysis

Product: Sulbutiamine
CAS No.: 3286-46-2
Code: 177665
Mol. Formula: C32H46N6O6S2
Mol. Weight: 702.90

Item	Specifications	Results
Assay, C32H46N6O6S2	98.5~101.0%	99.8%
Appearance	White or pale yellow crystalline powder	White crystalline powder
Clarity and color of solution	Colorless or slightly yellow clear solution	Complies
Identification	Comply with reference	Complies
Chloride	$\leq 0.018\%$	$< 0.018\%$
Sulfate	$\leq 0.017\%$	$< 0.017\%$
Thiamine	$\leq 0.10\%$	$< 0.10\%$
Loss on drying	$\leq 1.0\%$	0.28%
Heavy metals	$\leq 20\text{ppm}$	$< 20\text{ppm}$
Residues on ignition	$\leq 0.107\%$	0.03%
Conclusion:	Complies	