

CERTIFICATE OF ANALYSIS

Product Name	Sulbutiamine	Batch Number	HS180715
Quantity	1.0Kg	Manufacture Date	Nov 15, 2019
Specification code	JPC 1997	Expire Date	Nov 14, 2021

Items	Specifications	Results
Appearance	White or pale yellow crystalline powder	White powder
Identification	Comply with reference	Conforms
Clarity and color of solution	Colorless or slightly yellow clear solution	Conforms
Chloride	$\leq 0.018\%$	$< 0.018\%$
Sulfate	$\leq 0.017\%$	$< 0.017\%$
Heavy metals	$\leq 20\text{ppm}$	$< 20\text{ppm}$
Thiamine	$\leq 0.10\%$	$< 0.1\%$
Loss on drying	$\leq 1.0\%$	0.32%
Residue on Ignition	$\leq 0.10\%$	0.04%
Assay	$\geq 98\%$	99.6%