



西安康诺化工有限公司
Kono Chem Co., Ltd

Certificate of Analysis

Product Name	Bisibutiamine	Manufacture Date	2021-08-27
Batch Number	KN210827	Analysis Date	2021-08-28
Batch Quantity	295kg	Expiration Date	2023-08-26

Item	Specification	Result
Appearance	White to off-white powder	White powder
Solubility	Soluble in methanol and ethanol; Practically insoluble in water	Conforms
HPLC	The retention time of the major peak in the chromatogram of the assay preparation corresponds to that in the chromatogram of standard preparation, as obtained in the assay	Conforms
Water	$\leq 1.0\%$	0.49%
Chloride	$\leq 0.02\%$	Conforms
Sulfate	$\leq 0.02\%$	Conforms
Heavy Metals	$\leq 10\text{ppm}$	Conforms
Residue on ignition	$\leq 0.10\%$	Conforms
Residue Solvents	Ethanol $\leq 0.5\%$ Ethyl acetate $\leq 0.5\%$ Methylene chloride $\leq 0.06\%$	0.060% 0.041% 0.028%
Dimethylaminopyridine	$\leq 200\text{ppm}$	2ppm
Related substances	VB1 $\leq 0.10\%$ Disulfide thiamine $\leq 0.05\%$ Total impurities(HPLC) $\leq 2.0\%$ Purity(HPLC) $\geq 98.0\%$	N/D N/D 1.1% 98.9%
Assay(anhydride)	98.0%~102.0%	99.6%
Conclusion: Conform With In House Standard		

Packing	1kg/foil bag; 25kg/drum
Storage	Store in cool and dry place. Keep away from strong light and heat.
Shelf life	2 years



Corrector: 杨金波

Analyst: 许珂