

Certificate of Analysis

Product Name	Thiamine pyrophosphate	Manufacture Date	Nov. ,15, 2019
Batch Quantity	180KG	Analysis Date	Nov. ,18, 2019
Batch Number	KN191115	Expiration Date	Nov. ,14, 2021

Test	Specifications	Result
Assay	98.0%-101.0%	99.41%
Appearance	White to off-white crystalline powder	Complies
Size	100% /80 mesh	Complies
Solubility	soluble in water, and the pH value of aqueous solution is acidic. Insoluble in ethanol, acetone and ether.	Complies
solution	Clear to very slightly hazy, colorless	Complies
PH	2.7-3.4	3.1
Ash	≤ 0.3%	0.15%
Loss on drying	≤ 5.0%	3.30%
Heavy metal	≤ 20ppm	≤ 10ppm
Microbiology:		
Total Plate Count	<1000cfu/g	100cfu/g
Yeast & Mold	<100cfu/g	45cfu/g
E.Coli	Negative	Complies
S. Aureus	Negative	Complies
Salmonella	Negative	Complies
Conclusion	Conform with Standard	

Packing description	1kg/foil bag; 25kg/drum
Storage	Store in cool & dry place, keep away from strong light and heat
Shelf life	2 years when properly stored



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