



XI'AN BIOF BIO-TECHNOLOGY CO.,LTD

Room 1601, Tower1, Building 25, Gaoke Garden, Gaoxin 5th Rd,High-tech Zone, Xi'an

Tel: 86-29-88447187 Fax: 86-29-88

Certificate of Analysis

Product Name	vitamin B 1 (Thiamine hydrochloride)	Manufacture Date	2022 .12.15
Specification	GB 14751-2010	Certificate Date	2022.12.16
Batch Quantity	100kg	Expiration Date	2024.12.14
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
Appearance	White crystal powder	White crystal powder	conform
Odor	There is a faint special odor	There is a faint special odor	conform
Melt point	248 °C	248 °C	conform
Identification	Positive reaction	Positive reaction	conform
Assay(%)	98.5-101.5	99.6	conform
PH	2.7-3.4	3.0	conform
Nitrate	Do not produce brown rings	Do not produce brown rings	conform
Passing 40 mesh sieve	≥85%	95%	conform
Loss on dry	≤5%	1.2%	conform
Heavy Metal	Less than (LT) 20 ppm	Less than (LT) 20 ppm	conform
Pb	<2.0ppm	<2.0ppm	conform
As	<2.0ppm	<2.0ppm	conform
Hg	<2.0ppm	<2.0ppm	conform
Total aerobic Bacteria count	< 10000cfu/g	< 10000cfu/g	conform
Total Yeast & Mold	< 1000cfu/g	Conform	conform
E. Coli	Negative	Negative	conform

QA Manager : L i Yu

QC Manager : Zhang Qing

Analyst : Liang Wanyu

