



Certificate of Analysis

Product name	Vitamin B2	Specification:	98%
Package:	25kg/drum	Quantity:	1200kg
MFG Date:	2024/11/30	EXP Date:	2027/11/28
Batch No.:	VB298202411301	Standard	USP2024

Items	Standards	Results
Appearance	Yellow or orange yellow crystalline powder	Conform
Identification	Intense yellowish-green fluorescence that dis-appears upon the addition of mineral	Conform
Assay	98.0~102.0%	99.8%
Loss on drying	$\leq 1.5\%$	0.1%
Residue on ignition	$\leq 0.3\%$	0.1%
Particle size	95% passes through 80 mesh	Conform
Lumiflavin	≤ 0.025	0.007
Specific rotation	-115°~-135°	-120.5°
Lead	$\leq 1\text{ppm}$	$< 1\text{ppm}$
Heavy metals (Pb)	$\leq 10\text{ppm}$	$< 10\text{ppm}$
Bulk density	$\geq 0.30\text{g/ml}$	0.45g/ml
Aerobic plate count	$\leq 1000\text{ CFU/g}$	$< 1000\text{ CFU/g}$
Yeast & moulds	$\leq 100\text{ CFU/g}$	$< 100\text{ CFU/g}$
E. coli	Negative	Negative
Conclusion:	Conform to the standard of USP2024.	