



上海诺创生物科技有限公司

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CERTIFICATE OF ANALYSIS

Product Name: Riboflavin Sodium Phosphate (P5P)
Batch Number: 20240216 Batch Quantity: 1000KG
Manufacture Date: 2024-02-16 Expiry Date: 2026-02-15

ITEMS	SPECIFICATION	RESULTS
Appearance	Yellow or orange-yellow crystalline hygroscopic powder	Conforms
Identification	Positive	Conforms
Assay	73% ~ 79%	75.5%
Specific optical rotation	+37.0 ° ~ +42.0 °	+39.6 °
pH	5.0 ~ 6.5	6.1
Particle Size	95% Pass 80 mesh	Conforms
Loss on drying	7.5% Max	5.8%
Residue on Ignition	25.0% Max	22.1%
Lumiflavin	0.025 Max	0.006
Free Riboflavin	6.0% Max	4.8%
Riboflavin Diphosphate	6.0% Max	4.4%
Free Phosphate	1.0% Max	0.5%
Heavy metals (Pb)	10ppm Max	Conforms
Total plate count	1000cfu/g Max	Conforms
Molds and Yeast	100cfu/g Max	Conforms
E.coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	This product inspection accords with USP43 standard.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn

Rick

Whip

Analyst

Approved

Header of QC