

Certificate of Analysis

ActiBiso™ VK1 98

Trade Name: Actibiso™ VK1 98	INCI Name: Phytonadione	
Batch No.: BVK240208	Quantity: 100kg	
Manufacturing Date: 08.02.2024	Best Use Before Date: 07.02.2026	
Items	Specification	Results
1. Character:	Clear, yellow to amber, very viscous, odorless or practically odorless liquid, decomposes on exposure to sunlight	Pass
2. Gravity:	0.963-0.97	0.965
3. Solubility:	Freely soluble in benzene, chloroform, ether, soluble in absolute ethyl alcohol, sparingly soluble in ethanol, insoluble in water	Pass
4. Identification (IR):	The IR spectrum of sample is consistent with that of reference standard	Pass
5. Identification (UV):	In 248nm, absorptivities do not differ by more than 3.0%	Pass
6. Z-isomer %:	21.0 max	15.8
7. Menadione:	No purple or blue color is produced	Pass
8. Refractive index:	1.523 - 1.526	1.524
9. Reaction:	A 50-mg/mL solution of Phytonadione in dehydrated alcohol is neutral to litmus	Pass
10. Assay %:	97.0 - 103	99.8
11. Microbial limit (cfu/g):	Total number of aerobic bacteria $<10^3$	Pass
	Total molds and yeasts $\leq 10^2$	Pass
	Escherichia coli: Negative	Pass
Conclusion:	Pass	



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This lot was analysed and released by our authorized Quality Control Department and was found to meet the specification as given above.

Bisor Corporation
The Quality Assurance Manager

Yang Jian Ming

