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CERTIFICATE OF ANALYSIS

Product Name	Sodium Salicylate	Specification	Company Standard
CAS No.	54-21-7	Manufacture Date	2024.3.17
Quantity	500KG	Analysis Date	2024.3.24
Batch No.	ES-240317	Expiry Date	2026.3.16
Items	Specifications		Results
Assay (HPLC)	≥ 95.0%		99.10%
Appearance	White crystalline powder, soluble in water. It dissolves in dilute acid and alkaline solutions.		Complies
Odor	Characteristic		Complies
Identification	a) TLC results		Complies
	b) Color reaction with sulfuric acid		Complies
	c) Color reaction with silver nitrate		Complies
pH	4.5 - 7.0		6.0
Specific Optical Rotation	-203° to -216°		-206°
Light-absorbing Impurities	a) At 430nm not greater than 0.25		0.08
	b) At 490nm not greater than 0.20		0.01
Related Substances	4-epioxytetracycline ≤ 0.5%		0.20%
	Tetracycline hydrochloride ≤ 2.0%		0.30%
	Peak on the tail of the main peak ≤ 2.0%		1.60%
Sulphated Ash	≤ 0.5%		0.03%
Loss on Drying	≤ 0.5%		0.06%
Heavy Metals	≤ 20 ppm		Complies
Package	Packed in plastic bag inside and aluminum foil bag outside.		
Storage	Store in a cool and dry place, keep away from strong light and heat.		
Shelf Life	Two years when properly stored.		
Conclusion	Sample Qualified.		

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