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CERTIFICATE OF ANALYSIS

(as received from our supplier)

Product Name	Ivermectin (For veterinary use only)	Batch No	202107038	Quantity	100kgs
Manufacturing Date	JUL.18,2021	Expiry Date	JUL.17,2023	Test Date	JUL.21,2021
Specification	EP10.0				

Tests		Specification	Results
Appearance		White or yellowish-white crystalline powder, Slightly hygroscopic	White crystalline, Slightly hygroscopic
Solubility		Practically insoluble in water, freely soluble in methylene chloride, soluble in alcohol.	Qualified
Identification	IR	Corresponds with that of CRS standard	Qualified
	HPLC	The retention time for H ₂ B _{1a} and H ₂ B _{1b} corresponds with that of standard preparation	Qualified
Appearance of solution		Clear and not more intensely colored than BY ₇	Clear
Specific optical rotation (anhydrous and solvent-free substance), °		-17-- -20	-17.9°
Related substances (%)		Individual impurity(RRT1.3-1.5) ≤ 2.5	I-1:<0.05 K:2.1
		Any other individual impurity ≤ 1	C:<0.05 A:0.40 J:0.15 H:0.39 D:<0.05 F:<0.05 E:0.52 I-2:0.18
		Total ≤ 5	3.7
		Disregard limit: 0.05	
Ethanol and Formamide (%)		Ethanol ≤ 5.0	3.9
		Formamide ≤ 3.0	2.7
Catalyst (ug/g)		≤ 1	< 1
Water (%)		≤ 1.0	0.38
Heavy metal (ppm)		≤ 20	< 20
Sulphated ash (%)		≤ 0.1	0.04
Assay(%) (HPLC, on dry-basis)		H ₂ B _{1a} /(H ₂ B _{1a} +H ₂ B _{1b}) ≥ 90.0	98.3
		95.0 ≤ H ₂ B _{1a} +H ₂ B _{1b} ≤ 102.0	96.7
Conclusion		Complies with the requirements of EP10.0	