

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07
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CERTIFICATE OF ANALYSIS

Product Name	SALLITTOIN		
Chemical Name	ALLANTOIN		
Batch / Lot No.	082/ALL/0823	A.R. No.	23ALL1146
Mfg. Date	AUG, 2023	Total Batch Qty.	925 KGS
Exp. Date	JUL, 2026	Dispatch / Sample Qty.	75 KGS

TEST	SPECIFICATIONS	RESULTS
Description / Appearance	A white or almost white, crystalline powder.	Complies
Solubility	Slightly soluble in water, very slightly soluble in alcohol.	Complies
Identification	A. By Infrared absorption spectrophotometry: Compare the spectrum with that obtained with allantoin RS/WS or with the reference spectrum of allantoin.	Complies
	B. By TLC: The principal spot in the chromatogram obtained with test solution (b) corresponds to that in the chromatogram obtained with reference solution (a).	Complies
	C. Colour test: A dark blue colour develops, which becomes red after cooling and pouring into about 10 ml of water.	Complies
	D. Colour test: Should comply by turning red litmus paper to blue.	Complies
Acidity or Alkalinity	The solution should be yellow with addition of 0.2 ml of 0.01 M sodium hydroxide and should be red with addition of 0.4 ml of 0.01 M hydrochloric acid.	Complies
Melting Point	It melts at about 225°C, with decomposition.	226°C
Optical rotation	- 0.10° to + 0.10°.	0°
Reducing substances	The solution must remain violet for at least 10 min.	Complies
Related Substances / Organic impurities	Urea – Not more than 0.5%.	< 0.5%
Loss on drying	Not more than 0.1%.	0.08%
Sulphated ash / Residue on ignition	Not more than 0.1%.	0.03%
Assay	Not less than 98.5% and Not more than 101.0 %.	99.8%
pH at 25°C (0.5% aqueous solution)	3.5 to 6.5	5.1
Sulphates	Not more than 0.02%.	< 0.02%
Chlorides	Not more than 0.005%.	< 0.005%
Glycoluril content	Not more than 0.2%.	< 0.2%
Heavy Metals (lead)	Not more than 10 ppm.	< 10 ppm
Iron	Not more than 10 ppm.	< 10 ppm
Arsenic	Not more than 2 ppm.	< 2 ppm

Remark: The Product complies with IP/BP/EP/USP/In-House Specification.