

CERTIFICATE OF ANALYSIS

Batch Nr.: HG-00250700444

Date: 12/9/24

Product Name	Zinkpicolinat
Item Number	80000095
Date of Production	09.2024
Retest Date	08.2029
Storage	Store in well closed container clean and dry at room temperature
Packaging	Bag

Test	Specification	Reference Method	Results
Description	White crystalline powder		Complies
Identification	a) To comply by IR spectrum		Complies
	b) To comply by HPLC		Complies
Solubility	Freely soluble in dilute acid (10%w/whydrochloric acid),		
	very slightly soluble in water		Complies
Moisture (KF)	² 8.0 %		5.60 %
Tapped bulk density	0.6 g/ml – 1.20 g/ml		1.04 g/ml
Loose bulk density	0.35 g/ml – 0.65 g/ml		0.64 g/ml
Particle size	100 % through 40 mesh		100 %
	³ 95 % through 80 mesh		96 %
Zinc content (ICP-OES)	20.0 – 23.0 % on anhydr. basis		21.7 %
Picolinic acid cont. (HPLC)	75.0 – 80.0 % on anhydr. basis		79.23 %
Heavy metals	² 20 ppm		Complies

All data as received by our supplier. The information contained herein has been compiled carefully to the best of our knowledge.

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Test	Specification	Reference Method	Results
Lead	² 3 ppm		< 0.2 ppm
Arsenic	² 1 ppm		< 0.2 ppm
Mercury	² 0.1 ppm		< 0.02 ppm
Cadmium	² 1 ppm		< 0.20 ppm
TAMC	² 1000 cfu/g		< 30 cfu/g
TYMC	² 100 cfu/g		< 10 cfu/g
E. coli	Absent /10g		Negative /10g
Salmonella	Absent /10g		Negative /10g

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