

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Pyrroloquinoline Quinone disodium salt (Fermented)		
<b>CAS NO.</b>	122628-50-6		
<b>Molecular Formular</b>	C14H4N2O8.2Na	<b>Molecular Weight</b>	374.17
<b>Batch Number</b>	20230510	<b>Manufacture Date</b>	20230510
<b>Report Date</b>	20230510	<b>Expiry Date</b>	20250509

Item of Analysis	Specification	Results	Test Methods
Chromatographic Purity	NLT99.0%	99.70%	HPLC
<b>Organoleptic</b>			
Appearance	Fine Powder	Conforms	Visual
Color	Henna	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	CP2010
<b>Physical Characteristics</b>			
Identification	IR spectrum of the test specimen should be consistent with the IR spectrum of reference standard	Conforms	IR
Loss on drying	5%NMT (%)	2.45%	USP<731>
Water	NMT 12.0%	10.30%	GC
<b>Heavy metals</b>			
Total Heavy Metals	10ppm Max	Conform	Atomic Absorption
Lead (Pb)	1ppm NMT	Conform	Atomic Absorption
Arsenic (As)	1.5ppm NMT	Conform	Atomic Absorption
Cadmium (Cd)	0.3ppm NMT	Conform	Atomic Absorption
Mercury (Hg)	0.2ppm NMT	Conform	Atomic Absorption
<b>Microbiological Tests</b>			
Total Plate Count	1000cfu/g Max	Conform	AOAC
Yeast & Mold	100cfu/g Max	Conform	AOAC
Coliforms	100cfu/g Max	Conform	AOAC
E. Coli.	Negative/10g	Negative	AOAC
Salmonella sp.	Negative/25g	Negative	AOAC
Staph Aureus	Negative/10g	Negative	AOAC

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

