

CERTIFICATE OF ANALYSIS

Product Name	Lithium Orotate		
CAS NO.:	5266-20-6		
Specification	In-house		
Batch Number	20231126	Manufacture Date	20231126
Report Date	20231126	Expiry Date	20251125

Item of Analysis	Specification	Results	Test Methods
Assay(% based on dried)	98%-102%	99.61%	ICP-AES
Lithium ion	3.7%-4.3%	3.88%	ICP-AES
Organoleptic			
Appearance	White to off-white fine powder	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Physical Characteristics			
Partical Size	95% pass 60 mesh	Conforms	CPh
Loss on drying	≤1.0%	0.06%	CPh
Heavy metals			
Total Heavy Metals	20ppm Max	Conform	Atomic Absorption
Lead (Pb)	2ppm NMT	Conform	Atomic Absorption
Arsenic (As)	2ppm NMT	Conform	Atomic Absorption
Cadmium (Cd)	1ppm NMT	Conform	Atomic Absorption
Mercury (Hg)	0.1ppm NMT	Conform	Atomic Absorption
Sulfate(SO4) %	0.1% Max	Conform	Atomic Absorption
Microbiological Tests			
Total Plate Count	1000cfu/g Max	Conform	AOAC
Yeast & Mold	300cfu/g Max	Conform	AOAC
E. Coli.	Negative	Conform	AOAC
Salmonella	Negative	Conform	AOAC
Staphylococcus	Negative	Conform	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.

