

## Certificate of analysis

### Calcium Ascorbate

CAS No.	5743-28-2	Code	BIOJCA001
Batch No	B21046007	Manufacture Date	Apr.07, 2021
Expiry Date	Oct.06, 2024	Quantity	25Kg

Testing Items	Specifications	Results
Appearance	White to slightly yellow crystalline powder	White crystalline powder
Identification	Positive	Complies
Assay (as $C_{12}H_{14}CaO_{12} \cdot 2H_2O$ )	$\geq 98.0\%$	99.7%
Specific optical rotation	$+95 \sim +97^\circ$	$+95.81^\circ$
pH(10%, W/V)	6.8~7.4	7.09
Loss on drying	$\leq 0.1\%$	0.03%
Arsenic (as As)	$\leq 0.0003\%$	$< 0.0003\%$
Fluoride	$\leq 0.001\%$	$< 0.001\%$
Heavy metals (as Pb)	$\leq 0.001\%$	$< 0.001\%$
Mercury	$\leq 0.0001\%$	$< 0.0001\%$
Lead	$\leq 0.0002\%$	$< 0.0002\%$
Oxalate	Pass	Pass
Conclusion	This product conforms to USP40 standard	

**\*Storage condition: Store below 25°C, Protect from moisture and light.**