

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Calcium Lactate E327
<b>Formula</b>	$(\text{CH}_3\text{CHOHCOO})_2\text{Ca}\cdot 5\text{H}_2\text{O}$
<b>Type</b>	For food industry
<b>Delivery Lot</b>	25-002003
<b>Batch Number</b>	241103
<b>Production Date</b>	02.11.2024
<b>Best before end</b>	02.11.2028

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White powder	Conforms
Test for lactate	Positive result	Conforms
Calcium presence test	Positive result	Conforms
Solubility	Soluble in water, practically insoluble in ethanol	Conforms
Assay	98.0 – 101.0 %	98.5 %
Loss on drying	22.0 – 27.0 %	24.9 %
Lactic acid	≤0.5 %	<0.5 %
pH of 5% solution	6.0 – 8.0	7.1
Free acidity and alkalinity	wg FCC	Conforms
Volatile fatty acids	wg FCC	Conforms
Chlorides	≤0.05 %	<0.05 %
Sulphates	≤0.075 %	<0.075 %
Iron (Fe)	≤0.005 %	<0.005 %
Fluorides	≤0.0015 %	<0.0015 %

### Heavy Metals

Analysis Item	Specification	Result
Lead (Pb)	≤2.0 mg/kg	<2.0 mg/kg
Mercury (Hg)	≤1.0 mg/kg	<1.0 mg/kg
Arsenic (As)	≤2.0 mg/kg	<2.0 mg/kg
Heavy metals	≤5.0 mg/kg	<5.0 mg/kg
Reducing substances	No reduction of Fehling's solution	Conforms