

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Sodium Lactate 60%
2. Chemical Name	Sodium-L-Lactate, Sodium (S)-Lactate, Sodium (S)-2-hydroxypropanoate, (S)-2-hydroxypropanoic acid, sodium salt
3. CAS Number	867-56-1,72-17-3
4. Formula	C ₃ H ₅ NaO ₃
5. Mol. Weight	102.06
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	May-2024

Description : Slightly yellowish to colorless viscous liquid, it has a mild saline taste, or with a slight, agreeable odor

CONTENT	SPECIFICATIONS	TEST RESULT
Density (at 20° C)	1.32-1.34/g/mL	1.325/mL
pH 20%(v/v)	6.5-7.5	6.9
Refractive Index at 25 Deg C	1.421-1.424	1.423
Colour, fresh	Max 50Apha	20Apha
Stereochemical purity (L- isomer)	Min 97%	98.50%
Assay sodium	12.1-12.5%	12.30%
Sodium lactate content	Min 60.0%	60.20%
Acidity	Max 0.5%	< 0.5%
Chloride	Max 50ppm	< 50ppm
Sulphate	Max 20ppm	< 20ppm
Total Heavy metals	Max 5ppm	< 5ppm
Lead	Max 2ppm	< 2ppm
Arsenic	Max 1.5ppm	< 1.5ppm
Mercury	Max 1ppm	clppm
Cyanide	Max 0.3ppm	< 0.3ppm
Methanol and Methyl Esters	Max 0.025%	< 0.025%
Citrate, oxalate, phosphate, or tartrate	Passes Test	Passes Test
Reducing substances (sugars)	Passes Test	Passes Test