



Lian Chemical Development CO.

Sodium Methoxide Production Plant

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Certificate of Analysis (COA)

Product Name:	Sodium Methoxide Powder	Batch Number:	SMO-LI-20202201-0
Cas Number:	124-41-4	MFG Date:	22 Jan 2024
Chemical Formula:	CH ₃ NaO	Analysis Date:	22 Jan 2024
Quantity:	5 bags (7.5 kg)	Expiry Date:	1 Year

Characteristics	Product Standard	Test Results	Method
Appearance	White Color	Complies	USP General Notices
Solubility	Miscible with ethanol, methanol, fats and esters. Immiscible with hydrocarbons and organic solvents.	Complies	USP 41 page 5771
Identification (Sodium)	Positive to Sodium Test	Complies	In-house
Moisture Content by KF	0.5% w/w Maximum	0.26	K.F. Titration
Free Alkalinity as (NaOH)	1.5% w/w Maximum	0.58	Calculated
Total Alkalinity as Sodium Methoxide	>99% w/w	99.31	Titration
Net Sodium Methoxide %	>97% w/w	98.73	Calculated
Sodium Carbonate Content	0.3% w/w Maximum	0.27	Titration
Chlorides	<100 ppm	Complies	In-house
Mercury Content	NIL	Complies	In-house
Iron Content	Not more than 4 ppm	Complies	In-house

*Product Specifications are subject to amendment and may change over time.

Analysis By: M.D. Sh. Roohafza	Checked By: M.D. Sh. Roohafza	Approved By: B. Khadivar
Conclusion	The quality of the tested product is in conformity with its standard*	
Storage	Stored in dry and ventilated place, far from heat and water.	
COA Issuer	Quality Control Department of Lian Chemical Development CO., Ltd.	

- *: 1- Methanol purity test standard: ASTM E346-99
2- Caustic flake purity test standard: ASTM E291-16
3- Mix & SMO (Caustic+Methanol) test standard: ASTM E291-16
4- SMO M.C. test standard: ASTM E203-16



Shahin Roohafza