



CAS Number: 124-41-4

EC Number: 204-699-5

Chemical Formula: CH₃NaO

Certificate of Analysis (COA) for Sodium Methoxide Solution

<u>Characteristic</u>	<u>Product Standard</u>	<u>Test Results</u>	<u>Test Method</u>
Appearance	Clear, colorless Viscos liquid	Complies	USP General Notices
Solubility	Miscible with water and methanol	Complies	USP 41, Page 5771
Identification (Sodium)	Positive sodium test	Complies	In-house
Moisture Content by KF	0.2% w/w Maximum	0.08	K. F. Titration
Free Alkalinity as (NaOH)	0.5% w/w Maximum	0.23	Calculated
Total Alkalinity as Sodium Methoxide	29.5–31% w/w	30.27	Titration
Net Sodium Methoxide %	29.5–30.5% w/w	30.04	Calculated
Sodium Carbonate Content	0.1% w/w Maximum	0.1	Titration
Mercury Content	NIL	Complies	In-house
Iron Content	Not more than 4 ppm	Complies	In-house

Certificate of Analysis (COA) for Sodium Methoxide Powder

<u>Characteristic</u>	<u>Product Standard</u>	<u>Test Results</u>	<u>Test Method</u>
Appearance	White powder	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 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