



Lian Chemical Development Co.

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Potassium Methoxide Production Plant

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Certificate of Analysis (COA)

Product Name:	Potassium Methoxide Solution	Batch Number:	KMO-LI-20250902-2
Cas Number:	865-33-8	MFG Date:	February 9, 2025.
Chemical Formula:	KOCH ₃ In MeOH	Analysis Date:	February 9, 2025.
Quantity:	17799 Kg	Expiry Date:	1 Year

Characteristics	Product Standard	Test Results	Method
Appearance	Clear Colorless Viscos Liquid	Complies	USP General Notices
Solubility	Miscible with Water & Methanol	Complies	USP 41 page 5771
Identification (Potassium)	Positive to Potassium Test	Complies	In-house
Moisture Content by KF	0.2% w/w Maximum	0.1%	K.F. Titration
Free Alkalinity as (KOH & NaOH)	0.5% w/w Maximum	0.1%	Calculated
Total Alkalinity as Potassium Methoxide	30-32% w/w	31.6%	Titration
Net Potassium Methoxide	30-32% w/w	31.5%	Calculated
Methanol	68-70% w/w	68.3%	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: H. Purtaher		Checked By: F. Parsianrad	Approved By: M. Jamali
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.		

- *: 1- Methanol purity test standard: ASTM E346-99
2- Caustic Potash purity test standard: ASTM E291-16
3- Feed (KOH+Methanol) & Solution test standard: ASTM E291-16
4- Solution M.C. test standard: ASTM E203-16