



SYNTHOKEM LABS PRIVATE LIMITED

Regd. Office: Plot No: 222 to 224 & 235 to 237, Phase-II, IDA, Pashamylaram,
Patancheru (Mandal), Sangareddy District-502319, Telangana State, India.
Telephone: 0091-08455-224180 . website: www.synthokemlabs.com

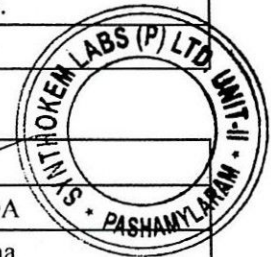


CERTIFICATE OF ANALYSIS

Name of the Product	METHOCARBAMOL USP		
Customer Code	EXP/S-95	QC No	FP/MC-IPA(AF)/26/043
Batch No	B/MC-IPA/02/26/031	Date of Analysis	25.02.2026
Batch Quantity	2525.0 kg	Mfg Date	FEBRUARY 2026
Dispatched Quantity	100.0 kg	Expiry Date	JANUARY 2031
No. of Containers	02x50.0 kg	Reference	USP

S.No	TEST	RESULT	SPECIFICATION
1	Description	White bulky powder, odourless	White bulky powder, odorless or having a slight characteristic odor.
2	Solubility	Complies	Sparingly soluble in water and in chloroform, Soluble in alcohol only with heating, Insoluble in benzene and in n - hexane.
3	Identification		
	a) Infrared absorption	Complies	IR spectrum of sample is concordant with reference sample spectrum.
	b) Assay (by HPLC)	Complies	The retention time of the Major peak of the sample solution corresponds to that of the standard solution as obtained in the assay.
4	Melting Range	94.1°C - 94.8°C	93°C - 96°C.
5	Loss on Drying (at 60°C for 2 hrs)	0.23%	Not more than 0.5% w/w.
6	Residue on Ignition	0.06%	Not more than 0.1% w/w.
7	Organic Impurities by HPLC		
	a) Guaifenesin	BDL	Not more than 0.15% w/w.
	b) Guaifenesin β-Isomer	BDL	Not more than 0.05% w/w.
	c) Methocarbamol Isomer	BLQ	Not more than 0.05% w/w.
	d) Methocarbamol Dioxolone	BDL	Not more than 0.05% w/w.
	e) Any Individual Unspecified Impurity	Not detected	Not more than 0.05% w/w.
	f) Total Impurities	Not detected	Not more than 0.50% w/w.
8	Assay by HPLC (on dry basis)	100.3%	98.5% - 101.5% w/w.

Prepared by:	Approved by:	Released by:
Designation: Sr.Executive-QA	Designation: Sr.Manager-QC	Designation: DGM-QA
Name: S. Chakradhar	Name: Bala Venkata.G	Name: M.V.V.Ramana
Date: 27/02/2026	Date: 27/02/26	Date: 25/02/2026





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S.No	TEST	RESULT	SPECIFICATION
9	Residual Solvents by Head Space GC (In-house)		
	a) Methanol	BDL	Not more than 250 ppm.
	b) Isopropyl alcohol	63 ppm	Not more than 500 ppm.
	c) Toluene	BDL	Not more than 100 ppm.
10	Particle Size (In-House)		
	USS Sieve # 200 (75 microns)	91%	NLT 65% passes through
	USS Sieve # 325 (45 microns)	75%	NLT 45% passes through
ADDITIONAL TESTS			
1	ParticleSize Distribution analysis (by Melvern)		
	D(10)	6 µm	NMT 25 µm
	D(50)	16 µm	NMT 50 µm
	D(90)	43 µm	NMT 150 µm
2	Total microbial count		
	a) Total Bacterial Count	<10 cfu/g	Not more than 100 cfu/g
	b) Total Yeast & Mould Count	<10 cfu/g	Not more than 10 cfu/g
	Pathogens		
	a) Escherichia Coli	Absent	Should be absent
	b) Salmonellae	Absent	Should be absent
	c) Pseudomonas aeruginosa	Absent	Should be absent
	d) Staphylococcus aureus	Absent	Should be absent

BDL:Below Detection Limit and BLQ: Below Limit of Quantification.

LOD (Guaiifenesin:0.005%, Guaiifenesin β-Isomer:0.003%, Methocarbamol Isomer:0.005%,Methocarbamol dioxolone:0.002%)

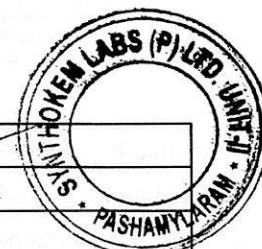
LOQ(Guaiifenesin:0.018%, Guaiifenesin β-Isomer:0.01%, Methocarbamol Isomer:0.016%, Methocarbamol dioxolone:0.007%)

LOD (Toluene:12ppm, Methanol:30ppm, Isopropyl alcohol:26ppm)

LOQ (Toluene:18ppm, Methanol:44ppm,Isopropyl alcohol:49ppm)

Result: The product Complies as per the above specification.

Prepared by:	Approved by:	Released by:
Designation: Sr.Executive-QA	Designation: Sr.Manager-QC	Designation: DGM-QA
Name: S. Chakradhar	Name: Bala Venkata.G	Name: M.V.V.Ramana
Date: 27/02/2026	Date: 27/02/26	Date: 27/02/2026



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