CLL Pharmaceuticals Analysis Update

(Bulletin #230505_01)

TOC Analysis

By automated **TOC analyzer (Shimadzu – Japan)** at sub-ppb levels, for your Pharmaceutical Water Quality Monitoring and Cleaning Validation requirements;

Particle Size Analysis

By **Malvern MasterSizer 2000** (Laser Diffraction) in Powders and Suspensions, & Particulate Matter by USP/EP for Injectibles / Water for Injectibles by Microscopy or by automated particulate matter counter;

Trace Element Analysis

Upto sub-ppb levels using 2 **AAS** equipped with auto sampler, flame, graphite furnace, hydride generator, & cold-vapour accessories. Samples can also be analyzed using ICP;

Microbiological Services

In-plant Bio-burden Studies, Micro Assays, Sterility, BET, Microbial Contamination (Identification & Enumeration – rapid automated readers & conventional methods); CLL has 11 USFDA Class 100 Clean Rooms;

Residue Analysis

Organic Volatile Impurities, Residual Solvents as per USP using GC-Headspace with Mass Spectrometry for characterization. Purge & Trap accessory is also available for halogenated sub-ppb level analysis using Photo-ionization detector.
Toxic Metal Trace Analysis and Pesticides Residues in water and Herbal extracts;

DMF & CoS Projects

Complete Stability Analysis (Long-term / Accelerated), Polymorphism, Method Development & Validation, Impurity Profiling, Product-Post-degradation, and complete Dossier Preparation;

Method Validation

State-of-the-art laboratories equipped with **35+ HPLCs** with autosamplers **(Detectors: PDA, RI, UV-Vis, FD, ECD); 20+ GCs Headspace** / autosampler **(Detectors: ECD, TID, PID, TCD, FID); LC-MS/MS, NMR, DSC,** 4 **FTIRs, etc.** Over **600 CRMs traceable to NIST, EP, USP, BP, IP;**

Instrument Calibration

Calibration traceable to national **(NPL)** or international standards **(NIST, UKAS)** by ISO 17025 accredited calibration lab; Analytical Instrument Validation (for HPLCs, GCs, AAS, UV, FTIR, Autoclaves etc.) as well as Industrial Instrument Calibration facilities available (in Thermal, Electrical, Mass, Volume, Dimension, Speed, Pressure, Vacuum and Time) to meet Schedule M, WHO, USFDA requirements.

Animal Lab Facilities

Animal testing for pyrogen, toxicity, dermatological studies, feed evaluation (veterinary), Biological tests on packaging materials / containers etc.

Water Analysis

Water testing as per pharmacopoeial requirements USP, BP, IP, EP.
Water testing for Drinking, Source, or Process Water as per EPA (US), EU (European Union guidelines), WHO, IS (Bureau of Indian Standards), PFA standards etc.

To request a quote, please fill in the form attached and fax it across at 0731 - 2490 593, or email at info@choksilab.com . For Collection Services call any of the numbers listed at the end of "Request For Quote" page.

CLL – Your Partners in Quality

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Request For Quotation *(Please fill the information below & fax / email it to your nearest center.)*

Name:		**Title:**	**Mr. / Ms. / Dr. / Mrs.**
Designation:		**Department:**	
Organization:			
Address:		**City/State/Country:**	
		Pincode:	
Telephone:		**Mobile:**	
Email:		**Fax:**	

Yes, I am interested in Analytical Outsourcing (*Tick all applicable*):

☐ **Please quote for Routine Quality Control Testing:**

a. Pharmacopoeial Raw Materials / Formulations (See Note)
b. Particle Size Analysis – By Malvern Mastersizer 2000
c. TOC Analysis (By TOC Analyzer – Shimadzu Japan)
d. Trace Element Analysis (AAS)
e. Organic Volatile Impurities (USP)
f. Residual Solvents (USP)
g. Pesticide Residues in Water / Soil / Herbal extracts
h. Water Analysis as per IS:10500 / IS:14543 / IS:13428 / IP / BP / USP / WHO
i. Pyrogen
j. Toxicity
k. Sterility
l. Microbiological Assays
m. Compatibility of containers and packaging materials
n. Impurity Profiling
o. Sampling Charges & Container Charges (Please specify product nature and sampling plan)

☐ I am interested in **Cleaning Validation project**. Please have a CLL representative call / fax / email me.

☐ I am interested in **Annual Contract**. Please have a CLL representative call / fax / email me. (Attach product labels / list. Also see Note.)

☐ I am interested in **Calibration Services** (Please attach list of equipment).

☐ **DMF Studies**

☐ In-plant **Bio-burden Studies / Environment Monitoring for Residues**

☐ **Method Development & Validation**

☐ **Complete Stability Analysis (Long-term / Accelerated)**

☐ **Dermatological Studies** for Herbal / Cosmetics Products (Please provide product ingredient & usage information).

☐ **Other:** _____

! ***Note:*** **With any RFQ (Request For Quote) the following information is vital:** *Product, Active Ingredients, Specification, Claim, Method of Analysis or a reference to existing standard method (in case of client's own in-house specification).*

For all your queries, email at info@choksilab.com or write in to:

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Regional Offices & Sample Collection Centers:
Ahemadabad, Bangalore, Chennai, Cochin, Calcutta, Cochin, Delhi, Goa, Gwalior, Hyderabad, Jaipur, Kolkatta, Kanpur, Mumbai, Nashik, Pune, Raipur, Rajkot, Roorkee, Surat