

# Corporate Overview

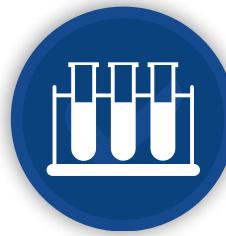
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2025

# Clearsynth

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# Clearsynth at a Glance



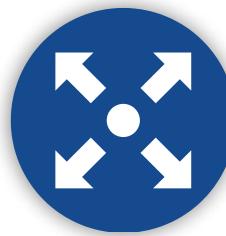
## LEADING THE WAY

Leading Manufacturer of Reference Standards, Stable Isotope Labelled Compounds, Building Blocks, Fine Chemicals & Intermediates



## INSPIRING INNOVATIONS

Extensive Product Range Covering Production, Research and Analytical Testing



## EXPANDING HORIZONS

World's Largest Inventory of Stable Isotope Labeled Compounds



## OUR COMMITMENT

Global Compliance to Quality & Delivery



## WE OPERATE 24X7

Global Presence : Stock Points in Mumbai, Hyderabad, Toronto and Boston. Coming Soon: China & Europe



## ELEVATED EXPERTISE

Highly Experienced Scientific and Management Team

# Clearsynth Journey



# Leadership Team



**Vijay Ambati**  
Founder and Chairman



**Biren Parekh**  
Executive Director,  
Corporate Strategy & Operations.



**Dr. K. Sakthivel**  
Chief Scientific Officer  
Chemistry Services



**Mallikharjuna K.**  
Director  
Quality Services



**Sharad Tripathi**  
Associate Vice President  
Sales & Business Development



**Sastry TVRS**  
Director Compound Delivery &  
Strategic Sourcing



**Nagasreenivasu Akula**  
General Manager  
Catalog Sales



**Satish Bhatia**  
General Manager  
Business Development



**Anal Ganai**  
Senior Manager  
Deutero Sales



**Rahul Vohra, Ph.D.**  
Chief Scientific Officer  
Research & Development



**Shermishtha Sharma**  
Manager-Sales & Marketing  
(North America)



**Dr. Naga Siva Rao**  
Assistant Director - Chemistry  
R&D



**Romi Daiya**  
Vice President  
Global CDMO Sales

# Major Business Verticals

## Clearsynth<sup>®</sup> STANDARDS



### Reference Standards and Research Chemicals

- Stable Isotopes
- Impurities
- Glucuronides
- Metabolites
- Fine Chemicals
- Building Blocks
- Catalysts
- Organometallics
- High purity Inorganics

## Clearsynth<sup>®</sup> DEUTERO



### Bulk deuterated reagents, Intermediates & Novel Compounds

End Application

- Pharma
- OLED
- Semiconductor
- Optical Fibers

## Clearsynth<sup>®</sup> CDMO



### Bulk Scale synthesis

- Labelled Compounds
- Un-Labelled Compounds

## Clearsynth<sup>®</sup> DISCOVERY



### In-house Program of Novel molecules with deuterium incorporation for enhancing its profile.

- Total patents filed: 60
- Patent granted: 2

## Clearsynth<sup>®</sup> SPECIALITY GASES



### Supply of commercial gases for industrial application

- Deuterium Gas
- Helium Gas
- Fluorine Gas

World View

# PIONEER

## for Isotope Chemistry

First of its kind in  
**INDIA**

**Carbon 13**

**Nitrogen 15**

**Iodine 127**

**Oxygen 18**



# Clearsynth In Numbers

**359,000+**  
Compounds in  
Catalog



**400+**  
Employees



**4,500+**  
Active Global  
Customers



**80,000+**  
Products in  
Inventory



**12+**  
Employees with  
Post Doc

**30+**  
Employees with PhD

**190+**  
Employees with MSc.



# Global Presence



# Clearsynth Innovation Centre Hyderabad



**5 Floors**

**50,000+ Square Foot**

**250+ Fume Hoods**

**250+ Scientist**

**100+ Support Staff**

**Location : Industrial Development  
Area, Mallapur, Hyderabad, India**

# Chemistry Operations



- 23 Labs with 10 Hoods Each
- Capacity from mg to kgs
- Highly Trained Manpower
- All Safety Precautions in Place
- Access Controlled
- Security Cameras
- All Literature Access

# Warehouse Operations



- Room Temperature Warehouse
- 2-8° Walk-in Cold storage
- -20° Walk-in Cold storage
- Easily Accessible Racks
- Clean Rooms for Packing & Labelling
- Access Controlled
- Security Cameras

# Research Chemicals – Ready to ship



## More than 50,000+ Products Added

- Building Blocks
- Heterocyclic Compounds
- Organometallic Compounds
- Precious Metal Catalysts
- High Purity Metals & Materials
- Boronic Acids / Esters
- Fluorinating Reagents
- Peptide Coupling Reagents
- Custom Synthesis

# Our Analytical Instruments



Name of Instruments	Instrument Brand	Number of instruments
600 MHz Bio NMR	Bruker	1
ICP MS	Perkin Elmer	1
GC-HS/MS	Thermo	1
LCMS	AB Sciex and Shimadzu	2
TGA	Perkin Elmer	1
Prep HPLC	Shimadzu	2
HPLC	Waters	3
HPLC	Dionex	1
HPLC	Thermo	6
Flash System	SapaBean	1
Coulometer	Metrohm	1
IR	Shimadzu	1

# Bulk Manufacturing Facility

CDMO Facility in Karnataka, India



**150+ Scientist**

**Multiple Reactor**  
(500 Ltr to 7 KL)

**EHS Compliant**

**WHO GMP Certified**

**3 different Pilot plants**  
{Small(25L), Medium (60L), Large (125L)}

# Clearsynth Products (Catalog)

- API Reference Standards
- Stable Isotope Labelled Compounds
- Impurity Reference Standards
- Metabolites
- Glucuronides
- Nitrosamine Impurities
- Pesticide Standards
- Fine Chemicals & Intermediates
- Secondary standards
- Life Science standards



Learn more – [www.clearsynth.com](http://www.clearsynth.com)

# Stable Isotope Labelled Compounds

21842 Listed

656 Top Sellers

1773 In Stock

## Labelled APIs

- Doxorubicin-13CD3
- Doxorubicinol-13CD3
- Dolutegravir-D3
- Labeled Pril-D5 analogs Mirabegron-D5 Sartan anlaog-D4
- labeled -Azepam
- Azitromycin-13CD3
- Ademetionine-D3 Formate, Dabigatron-d4, Dabigatron-13C6

## Labelled Metabolites

- 3-O-MethylDopa-D3, 3'-hydroxy-Repaglinide-D5

## Labelled Glucuronides

- Naloxone-D5-Glucuronide

## Deuterated Reagents

- Methyl Iodide D3
- Methylamine D3 HCL
- Methanol OD
- Tertiary Butanol D9
- Propanol D7
- Sulfuric Acid D2
- Deuterated Chloride
- Deuterated Bromide
- Benzene D6
- Bromobenzene D6
- Benzoic Acid D5
- Phenol d5

# Nitrosamine Impurities

2270 Listed

144 Top Sellers

713 In Stock

## Nitroso APIs

- Nitrosoamino Varenicline
- Nitroso Bumetanide
- 10-Nitroso folic acid
- Nitroso-Dabigatran

## Nitroso Metabolites

- Delamanide metabolite, Evacaftor metabolite, etc.

## Nitroso Glucuronides

- Dabigatran -Beta-acyl Glucuronide, Desmethyl-Apixaban Glucuronide

## Nitroso Labelled Impurities

- N-Nitrosodimethylamine D6
- N-Nitrosopiperidine D10
- N-Nitrosodiisopropylamine D14
- N-Nitrosomorpholine D8
- N-Nitrosomethylamine D5
- N-Nitrosodiethylamine D5
- N-Nitrosodiethanolamine D8

# Clearsynth DAE (HWB) Collaboration



**Press Information Bureau  
Government of India  
Department of Atomic Energy**

23-February-2018 19:30 IST

**Heavy Water Board signed an agreement with M/s Clearsynth, Mumbai for sale of 20 tonnes of Heavy Water in a year**

Heavy Water Board, a constituent industrial unit of DAE, signed a collaborative agreement with M/s Clearsynth, Mumbai yesterday for sale of 20 tonnes of Heavy Water in a year for development of deuterium labeled compounds, NMR Solvents, d-labeled Active Pharma Ingredients (APIs). This marks the beginning of an important era in the annals of Indian Nuclear industry leading to societal benefits for the masses. It is worth noting that during the previous years Indian industries have imported deuterated compounds and Heavy Water to the tune of 9 Million USD. This Agreement will initiate import substitution for the deuterated compounds and Heavy Water.

[https://hwb.gov.in/sites/default/files/MOU\\_between\\_HWB\\_and\\_Clearsynth\\_Mumbai\\_for\\_sale\\_of\\_20\\_tonnes\\_of\\_Heavy\\_Water\\_in\\_a\\_year\\_for\\_its\\_non-nuclear\\_applications.pdf](https://hwb.gov.in/sites/default/files/MOU_between_HWB_and_Clearsynth_Mumbai_for_sale_of_20_tonnes_of_Heavy_Water_in_a_year_for_its_non-nuclear_applications.pdf)

- Heavy water Board (HWB) under I & M Sector of the Department of Atomic Energy, working in the area of Nuclear as well as Non-Nuclear applications of Deuterium/Heavy Water.
- In the year 2018, the Heavy Water Board recognized the potential of non-nuclear applications of Heavy Water / Deuterium in the field of Analytical chemistry, Medicinal Chemistry, electronic & Semiconductor industry
- It collaborated with two Indian Private organizations to encourage indigenous development and manufacturing of deuterated products.
- One out of the two companies was Clearsynth. The Objective was Import substitution and also promote its exports.

# Deuterated Products (Deutero)

- Benzene-D6
- Bromobenzene-D5
- Chlorobenzene-D5
- Iodobenzene-D5
- Phenyl Boronic Acid-D5
- 1,3-Dibromobenzene-D4
- Tert-Butanol-D10 / D9
- Sodium Deuteroxide
- Anthracene-D10
- Carbazole-D8
- Naphthalene-D8
- 9-Bromo Anthracene-D9
- 1-chloro-3-iodobenzene-D4
- Sulphuric Acid-D2
- Deuterated Bromide
- Deuterated Chloride
- Bromocyclopentane-D9
- Benzoic Acid-D5
- Tert-Butyl Chloride-D9
- Methanol-D4
- Methanol-OD
- Dibromoethane-D4
- Ethanol-OD
- Lithium Aluminum Deuteride-D4
- Sodium Boro-deuteride-D4
- Dimethylsulfoxide-D6
- Methyl D3 Amine HCl
- Methyl Iodide-D3
- Aniline-D5
- Phenol-D5
- Acetone-D6
- Piperazine-D8
- Propanol-D7
- Propionic Acid-D5
- Toluene-D8 / D5
- Acetic Acid-D4 / D3
- Chloroform-D
- Dimethylamine-D6

# Globally Accredited Quality Certifications

## Certifications

ISO/IEC 17025:2017 (ACCAB/IN/TL/1058)

ISO 17034:2016 (ACCAB/IN/RMP/1059)

ISO 14001:2015 (QEC 70560768/17/E Rev:003)

ISO 9001:2015 (QEC 40457660/17/Q Rev:004)

ISO 45001:2018 (QEC 77152649/17/O Rev:004)

FDA Registration Certificate

DSIR Recognition Certificate



45001:2018



ISO 17025



14001:2015



ISO 17034



9001:2015



ISO/IEC 17025 NABL  
Audit scheduled in May2025



# Clearsynth Services



**Analytical Services**



**Small Molecule Manufacturing**



**Bio NMR Services**



**Process Development**



**CDMO Services**



**Contract R&D**

# Industry wise Application



Pharmaceuticals



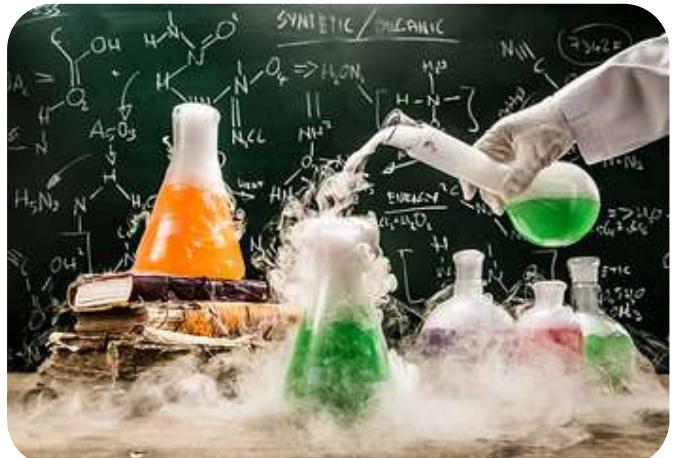
Agrochemicals



Biotech



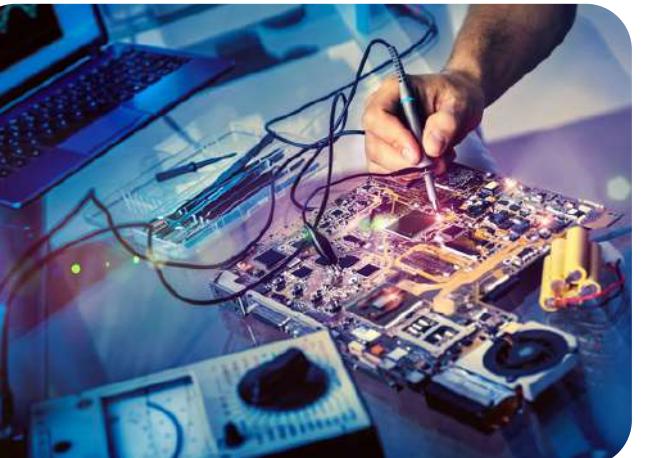
Clinical Research



Academics



Analytical Testing



Electronics



CRDMO



Diagnostics



Speciality Chemicals



Food & Beverages



Cosmetics

# Inside Clearsynth – Video Tour



# Work Culture @ Clearsynth



- **Young Company! 50% of Our Workforce is Below the Age of 30.**
- **We Love What We Do.**
- **Our Belief - Diversity Provides the Environment for Original Thought..**
- **Equal Opportunity to the Individuals at the Workplace.**
- **Efforts focused on Employee's Well Being and Growth.**
- **Introducing Fresh Perspectives**
- **Investing in employees to expand their skill sets to serve clients needs better.**
- **Transparent in our Approach**
- **Open Line of Communication at all Times.**
- **Fully digitized Processes to Provide Customers Real Time Information on stocks, ordering, shipping etc. Download COA, MSDS and track shipments.**

