









Active Pharmaceutical Ingredients

Macsen Labs has been manufacturing Active Pharmaceutical Ingredients since 1952.

We manufacture niche and rare to find API molecules. We specialize in manufacturing injectable pharmaceutical dyes and are the only manufacturer in the world having a complete range of pharmaceutical application dyes. Our API manufacturing is done in compliance with cGMP as per guidelines of WHO, ICH & FDA. We have state of art facilities with fully qualified equipment and validated utilities. The final stages of manufacturing are done in classified clean rooms. We have a very strong team for Quality Assurance, Regulatory Compliance and Quality Control. Our top management includes technocrats and scientists who are deeply involved technically in this business. We have a state of the art R&D setup with a highly qualified team and latest equipment like LC-MS/MS, GC-MS/MS, etc, which gives us the ability to synthesize complex organic molecules in a short timeframe. We have a dedicated team for technology transfer of process from R&D to Pilot Scale and from Pilot scale to Plant scale. Our Grams to Tons production capacity can cater to new drug innovators from clinical studies till launch of the drug.

 State of the art R & D Set up	 US FDA Registered	 WHO GMP certified	 EU Written Confirmations from CDSCO
 Complete documentation support like DMF, Tech Pack, Process Validations, Analytical Method Validations, Stability Studies, Degradation Studies, Drug Characterization, etc.	 Can manufacture in batch sizes ranging from grams to Kgs In reactor volumes of 5-5000 ltrs.	 Open for facility audits by customer and international regulatory bodies	 Capability to develop complex and difficult to synthesize APIs

Diagnostics & Ophthalmic

DISODIUM EOSINE FRP X (EOSIN Y) 17372-87-1 Diagnostic agent GMP, DMF - Available	FLUORESCHEIN SODIUM USP/BP / Ph Eur 518-47-8 Used in ophthalmology & bioimaging USDMF, WHO GMP - Available	INDIGO CARMINE - USP 860-22-0 Diagnostic dye for renal tests DMF, WHO GMP - Available	INDOCYANINE GREEN 3599-32-4 Diagnostic dye used in Angiography GMP - Available
TRYPAN BLUE 72-57-1 Ophthalmic dye used for surgery GMP - Available	INDOCYANINE GREEN (IODINE FREE) 3599-32-4 Diagnostic dye in ophthalmology GMP - Available	BRILLIANT BLUE - G 6104-58-1 Ophthalmic dye used for surgery (Currently Under Scale Up)	ISOSULFAN BLUE 68238-36-8 Used in Lymphography (Currently Under Development)

Antiseptics & Antimicrobials

<p>ACRIFLAVINIUM CHLORIDE BP/ E.P 5.0</p> <p>8048-52-0 Antiseptic used in aquaculture GMP, DMF - Available</p>	<p>ACRIFLAVINE HYDROCHLORIDE BPC 63</p> <p>8063-24-9 Antiseptic used in aquaculture GMP, DMF - Available</p>	<p>ACRIFLAVINE NEUTRAL BPC 49/ NF X (EUFLAVINE)</p> <p>8048-52-0 Antiseptic used in aquaculture GMP, DMF - Available</p>	<p>AMYLMETACRESOL</p> <p>1300-94-3 Antiseptic used in mouth & throat infections (Currently Under Development)</p>
<p>COLLOIDAL SILVER</p> <p>9007-35-6 Antimicrobial & Antibacterial agent (Currently Under Development)</p>	<p>CRYSTAL VIOLET BP/ METHYLOSANILINIUM CHLORIDE BP</p> <p>548-82-9 Antiseptic used in fungal & bacterial infections GMP, DMF - Available</p>	<p>GENTIAN VIOLET USP</p> <p>548-62-9 Antiseptic used in fungal & bacterial infections GMP, DMF - Available</p>	<p>MERBROMIN N.F XII</p> <p>129-16-8 Antiseptic used for burns & wounds GMP, DMF - Available</p>
<p>MERCUROCHROME BPC</p> <p>129-16-8 Antiseptic used for burns & wounds GMP, DMF - Available</p>	<p>NITROXOLINE</p> <p>4008-48-4 Antibacterial used to treat biofilm infections GMP, DMF - Available</p>	<p>PROFLAVINE HEMISULPHATE BP / IP</p> <p>1811-28-5 Antiseptic used in wound dressings GMP, DMF - Available</p>	<p>SILVER NITRATE USP/IP/BP</p> <p>7761-88-8 Topical Antiseptic GMP, DMF - Available</p>
<p>SILVER SULFADIAZINE USP</p> <p>22199-08-2 Antiseptic used for burns & wounds USD MF, EU-WC, WHO GMP - Available</p>			

Antidotes & Metal Chelators

<p>METHYLENE BLUE USP/BP 1973/BP 2000</p> <p>122965-43-9 Antidote for methemoglobinemia USD MF, EU-WC, WHO GMP - Available</p>	<p>METHYLTHIONIUM CHLORIDE BP/E.P-9.0/E.P-10</p> <p>122965-43-9 Antidote for methemoglobinemia USD MF, EU-WC, WHO GMP - Available</p>	<p>DEFERIPRONE</p> <p>30652-11-0 Iron chelator used in Thalassemia GMP - Available</p>	<p>PRUSSIAN BLUE</p> <p>14038-43-8 Antidote for heavy metal poisoning (Currently Under Development)</p>
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Antifungal

<p>SELENIUM SULFIDE USP</p> <p>518-47-8 Antifungal used to treat dandruff USD MF, WHO GMP - Available</p>	<p>CICLOPIROX OLAMINE</p> <p>41621-49-2 Antifungal used for skin infections (Currently Under Development)</p>		
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Supplements for Mineral Deficiency

<p>SELENIOS ACID - USP</p> <p>7783-00-8 Used to treat selenium deficiency DMF, WHO GMP - Available</p>	<p>SELENIUM DIOXIDE MONOHYDRATE IP</p> <p>7783-00-8 Used to treat selenium deficiency GMP - Available</p>	<p>SODIUM SELENITE</p> <p>10102-18-8 Used to treat selenium deficiency GMP - Available</p>	<p>L-METHYLFOLATE CALCIUM</p> <p>151533-22-1 Used to treat folate deficiency (Currently Under Development)</p>
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Anti-Psychotic

VILOXAZINE HYDROCHLORIDE

35804-67-2
Used to treat ADHD
(Currently Under Scale Up)

Cardiovascular

NICORANDIL

65141-46-0
Vasodilator used to treat Angina
(Currently Under Scale Up)

Gastroenterology

PINAVERIUM BROMIDE

53251-94-8
Used to treat Irritable Bowel
Syndrome (IBS)
(Currently Under Development)

QUINFAMIDE

62265-68-3
Used to treat Amoebiasis and
Helminthiasis
(Currently Under Development)

Antitussive

BENZONATATE

104-31-4
Used to treat cough
(Currently Under Development)

Other APIs

LANTHANUM CARBONATE

587-26-8
Used to treat hyperphosphatemia
(Currently Under Scale Up)

METHYL NICOTINATE

93-60-7
Rubefacient used to treat muscle &
joint pain
GMP-Available

MONOBENZONE USP

103-16-2
Depigmenting agent used to treat
vitiligo
GMP-Available

SODIUM TETRADECYL SULFATE

1191-50-0
Sclerosing agent
(Currently Under Development)

DERQUANTEL

187865-22-1
Anthelmintic veterinary drug
(Currently Under Development)

Speciality Dyes and Biological Stains

Macsen has experience of 70 years in synthetic organic dyes manufacturing.

We manufacture specialty dyes of very high purity for specialized applications like Fluorescent Tracer Dyes, Ophthalmic Dyes, Diagnostic Dyes, Dyes used in pathology labs, Biological Stains, Angiography Dyes, Colonoscopy & Chromo endoscopy Dyes, Indicators, etc. Our Biological Stains are of quality approvable from Biological Stain Commission, USA. We can manufacture dyes in very high purity in terms of organic impurities, related substances, isomers, inorganic impurities, heavy metals, etc. We have in-house Hi-Tech analytical instruments like HPLCs, LC-MS/MS, GC-MS/MS, ICP-OES, FTIR, UV-Vis Spectrophotometer, etc. for analyzing the purity of dyes. We are very strong in dye chemistry and have the capability to develop complex and difficult to synthesize dyes in required purity and specifications.



Quality approvable from
Biological Stain
Commission, USA



Manufacturing of Pharma
application dyes in full
cGMP compliance as per
FDA, WHO & ICH guidelines



In house Hi-Tech Analytical
Instruments for analysis of
purity



Capability to develop
complex and difficult to
synthesize dyes

Biological Stains

ACID RED 94 (ROSE BENGAL) 632-69-9	AURAMINE O 2465-27-2	CRYSTAL VIOLET POWDER / CRYSTALS (BASIC VIOLET 3) 546-62-9	GIEMSA STAIN POWDER 51811-82-6
HEMATOXYLIN 517-28-2	JENNER'S STAIN 62851-42-7	LEISHMAN STAIN 12627-53-1	LEUCOCRYSTAL VIOLET 603-48-5
LISSAMINE GREEN 11096-63-2	METHYLENE BLUE ZINC FREE 122965-43-9	METHYL VIOLET 2B POWDER / CRYSTALS (BASIC VIOLET 1 ; C.I. 42535) 8004-87-3	RHODAMINE B 81-88-9
SAFRANIN 477-73-6	WRIGHT STAIN 68988-92-1	PHOSPHOTUNGSTIC ACID 12501-23-4	

Food Dyes

ALLURA RED 25956-17-6	BRILLIANT BLUE FCF 3844-45-9	CARMOISINE 3567-69-9	ERYTHROSINE B (FD&C RED 3) 16423-68-0
INDIGO CARMINE 860-22-0	PATENT BLUE V 3536-49-0	PONCEAU 4R 2611-82-7	PRUSSIAN BLUE 14038-43-8
QUINOLINE YELLOW 8003-22-3	SUNSET YELLOW FCF 2783-94-0	TARTRAZINE (FD&C YELLOW 5) 1934-21-0	

Other Applications

ACID RED 87 (EOSIN Y ws , C.I.45380) 17372-87-1	ACID RED 92 (PHLOXINE B) 18472-87-2	ACID YELLOW 73 (FLUORESCHEIN SODIUM ; URANINE ; C.I.45350) 518-47-8	BASIC YELLOW 40 29556-33-0
BASIC BLUE 9 122965-43-9	BASIC YELLOW 87 68259-00-7	BRILLIANT GREEN (Diamond Green) 633-03-4	BROMOCRESOL GREEN 76-60-8
BROMOTHYMOL BLUE 76-59-5	MALACHITE GREEN OXALATE ; C.I. 42000 4569-64-2	METHYLENE BLUE 2B CRUDE (ZINC DOUBLE SALT) 26283-09-0	RHODAMINE 6G (BASIC RED 1) 989-38-8
SOLVENT VIOLET 8 (METHYL VIOLET BASE) 52080-58-7	SOLVENT VIOLET 9 (CRYSTAL VIOLET BASE) 467-63-0	SOLVENT YELLOW 94 (FLUORESCHEIN free acid form) 518-45-6	THYMOL BLUE 76-61-9
BROMOCRESOL PURPLE SODIUM SALT 62625-30-3	METHYL RED 493-52-7	PHENOL RED 143-74-8	BROMOPHENOL BLUE 115-39-9
METHYL ORANGE 547-58-0	LITMUS 1393-92-6	PHENOLPHTHALEIN 77-09-8	ERIOCHROME BLACK T 1787-61-7

Inorganic Fine Chemicals and Metal Salts

Macsen has been manufacturing inorganic chemical compounds of rare earth & precious metals for more than 50 years.

Mercury Metal salts and Silver Metal salts have been our specialty for many years. We have now developed metal compounds of other metals like Bismuth, Lanthanum, Platinum, Palladium, Gold, etc. We can synthesize inorganic compounds of very high purity and with specific required physical characteristics like Particle Size Distribution, Crystalline Form, Hydrate Form, etc. We have in house ICP-OES instrument facility for analysis of trace elements in the inorganic compounds. We use advanced analytical techniques like Laser Diffraction, Zeta Potential, XRD, SEM, TEM, etc for characterization of inorganic compounds. We can very well cater to your specific needs or specifications of the inorganic compounds of high purity.



Capability to synthesize high purity inorganic compounds with required physical characteristics



In-house ICP-OES instrument facility



Advanced analytical techniques like Laser Diffraction, Zeta Potential, XRD, SEM, TEM, etc



Manufacturing of inorganic APIs in full cGMP compliance as per FDA, WHO & ICH guidelines

Mercury Salts

AMMONIATED MERCURY CHLORIDE 10124-48-8	MERCURIC ACETATE 1600-27-7	MERCURIC BROMIDE 7789-47-1	MERCURIC CHLORIDE 7487-94-7
MERCURIC IODIDE 7774-29-0	MERCURIC NITRATE 7783-34-8	MERCURIC OXIDE RED 21908-53-2	MERCURIC OXIDE YELLOW 21908-53-2
MERCURIC SULFIDE 1344-48-5	MERCURIC SULFATE 7783-35-9	MERCUROUS NITRATE 7782-86-7	MERCUROUS CHLORIDE 10112-91-1

Silver Salts

SILVER NITRATE 7761-88-8	SILVER SULPHATE 10294-26-5	SILVER CARBONATE 534-16-7	SILVER CHLORIDE 7783-90-6
SILVER IODIDE 7783-96-2	SILVER OXIDE 20667-12-3	SILVER FLUORIDE 7775-41-9	SILVER CITRATE 126-45-4
SILVER LACTATE 128-00-7			

Other Inorganic Compounds

SELENIUM DIOXIDE 7446-08-4	SODIUM SELENIDE 1313-85-5	SODIUM SELENATE 13410-01-0	SODIUM IODIDE 7681-82-5
SODIUM PHOSPHATE DIBASIC DODECAHYDRATE 10039-32-4	POTASSIUM TELLURITE 7790-58-1	SODIUM AZIDE 26628-22-8	FERROUS FUMARATE 141-01-5

Organic Fine Chemicals and Intermediates

Macsen has expertise & years of experience in organic chemical synthesis.

We have the ability to perform a wide variety of organic synthesis reactions. We can perform synthesis in batch sizes ranging from grams to several hundred kilos. Our in-house analytical capabilities including LC-MS/MS, GC-MS/MS, ICP-OES, HPLC, FTIR, etc enables us to analyze purity and impurities upto trace levels in ppb or nanograms. Our cGMP API synthesis skills can also be applied to intermediates where intermediates are required to be synthesized in the GMP environment. Apart from the listed compounds, we can synthesize organic compounds as per your specific or custom requirement. We can be your reliable partner for API intermediate synthesis upto n-1 level. Because of our low scale to bulk scale synthesis capability, Macsen can be your one-stop solution for API intermediates from pre-clinical till commercial launch of your API.



Ability to synthesize organic compounds as per required specifications



In-house LC-MS/MS & GC-MS/MS enables detailed analysis of purity and impurities



Manufacturing capability in full cGMP compliance as per FDA, WHO & ICH guidelines



Can manufacture in batch sizes ranging from grams to several hundred kilos

Pharmaceutical Intermediates

2-AMINOPYRIMIDINE 109-12-6	MICHLER'S KETONE 90-94-8	4-FORMYLBENZENE-1,3-DISULFONIC ACID 88-39-1	4-CHLORO-3-FORMYLBENZENE-1-SULFONIC ACID 60767-69-3
N-(5-(PHENYLAMINO)-2,4-PENTADIENYLIDENE)ANILINE MONOHYDROCHLORIDE 1497-49-0	1-(1-PIPERIDINO)CYCLOHEXENE 2981-10-4	2-FORMYL-BENZENE-1,4-DISULFONIC ACID DISODIUM SALT 51818-11-2	4-(1,1,2-TRIMETHYL-1H-BENZO[e]INDOL-3-IUM-3-YL)BUTANE-1-SULFONATE 63149-24-6
SODIUM 4-CHLORO-3-FORMYLBENZENE-1-SULFONATE 42481-01-6	5-NITROINDAZOLE 5401-94-5	5-NITROBENZIMIDAZOLE 94-52-0	DIPICOLINIC ACID 499-83-2
CYCLOHEXYLAMINE HYDROBROMIDE 26227-54-3			

Other Industrial Applications

ACETAMIDE 60-35-5	DENATONIUM BENZOATE 3734-33-6	DENATONIUM SACCHARIDE 90823-38-4	IODOFORM 75-47-8
DIMETHYLGLYOXIME 95-45-4	L-ARABINOSE 5328-37-0		

Cosmetic Ingredients

Quality and Research oriented manufacturer of Cosmetic Ingredients

Our manufacturing and research capabilities enable us to manufacture high-purity cosmetic ingredients. Our specialty includes ingredients used in skincare for skin-whitening, antifungal, hyperpigmentation, UV protection and other cosmetic products. We also deal in other compounds which are used in haircare and other personal care applications. Our line of products also includes high-purity industrial chemicals used as stabilizers and preservatives in various finished cosmetic formulations. We have in-house hi-tech analytical instruments like HPLCs, LC-MS/MS, GC-MS/MS, ICP-OES, FTIR, UV-Vis Spectrophotometer, etc. for analyzing the purity of compounds. We have an in-house R&D Laboratory to support specific customer requirements depending on their formulation and development of new products.



Manufacturing in accordance with cGMP



In house Hi-Tech Analytical Instruments supporting quality control



Capability to synthesize complex and high purity organic and inorganic compounds with required physical characteristics and specifications



Complete documentation support for regulatory requirements such as tech-pack, DMF

4-BUTYLRESORCINOL 18979-61-8	ALPHA ARBUTIN 84380-01-8	AMMONIATED MERCURY 10124-48-8	SODIUM POLYACRYLATE 9003-04-7
AVOBENZONE 70356-09-1	CETYLPIRIDINIUM CHLORIDE 123-03-5	CICLOPIROX OLAMINE 41621-49-2	ETHYLHEXYLGLYCERIN 70445-33-9
OXYBENZONE (BENZOPHENONE-3) 131-57-7	PIROCTONE OLAMINE 68890-66-4	SELENIUM SULFIDE 7488-56-4	ASCORBYL GLUCOSIDE 129499-78-1
1,2-PENTANEDIOL 5343-92-0	CLIMBAZOLE 38083-17-9	CHLORPHENESIN 104-29-0	OCTOCRYLENE 6197-30-4
HYALURONIC ACID 9004-61-9	AZELAIC ACID 123-99-9		