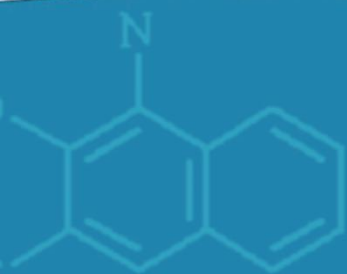
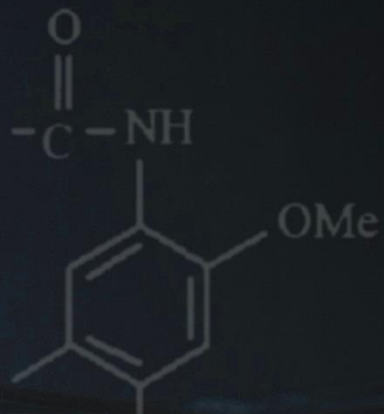




CHEMPACIFIC

EQUIPMENT



CHEMICAL CHALLENGES, SMART SOLUTIONS





PRODUCTION EQUIPMENT

STANDARD GLASS LINED REACTORS

Volume (L)	Working Pressure and Temperature	Motor Power	Number of Units
5000	0.6MPa / -19~200°C	7.5KW	2
2000	0.6MPa / -19~200°C	5.5KW	15
1000	0.6MPa / -19~200°C	4KW	14
500	0.6MPa / -19~200°C	3KW	30
300	0.6MPa / -19~200°C	3KW	12
200	0.6MPa / -19~200°C	3KW	9
100	0.6MPa / -19~200°C	3KW	4
50	0.6MPa / -19~200°C	0.75KW	4

HIGH PRESSURE GAS LINED REACTORS

Volume (L)	Working Pressure and Temperature	Motor Power	Number of Units
1000	1MPa / -19~200°C	4KW	1

STAINLESS STEEL REACTORS

Volume (L)	Construction Material	Working Pressure and Temperature	Motor Power	Units
3000	304	0.6MPa / <200°C	7.5KW	1
500	316L	0.6MPa / <300°C	3KW	9
300	304	0.6MPa / <200°C	3KW	3
200	304	0.6MPa / -10~165°C	0.75KW	1
2000	304 - Low Temperature	-0.1~0.55MPa / -120~120°C	7.5KW	1
200	304 - Low Temperature	-0.1~0.44MPa / -120~120°C	3KW	1
300	316L - Hydrogenation Reactor	1MPa / <200°C	3KW	2

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CENTRIFUGES

Size (cm)	Construction Material	Motor Power	Number of Units
2000 X 1400 X 1100	Stainless steel (OCr18Ni9)	7.5KW	8
1100 X 760 X 850	Stainless steel (OCr18Ni9)	2.2KW	3
2000 X 1400 X 1100	The inner surface is PTFE	7.5KW	2

DRYING DOUBLE-CONE

Volume (L)	Construction Material	Working Pressure and Temperature	Motor Power	Units
2000	Glass	-0.096MPa/<130°C	5.5KW	4
2000	304 Stainless steel	-0.096MPa/<150°C	5.5KW	1
500	Glass	-0.096MPa/<130°C	1.5KW	3
500	304 Stainless steel	-0.096MPa/<150°C	1.5KW	1

GRINDERS

Construction Material	Working Pressure and Temperature	Motor Power	Number of Units
304 Stainless steel	N/A	6.25KW	3

SCREENING MACHINES

Construction Material	Working Pressure and Temperature	Motor Power	Number of Units
304 Stainless steel	N/A	3KW	3

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ANALYTICAL INSTRUMENTS

Name	Model	Number of Units	Remarks
Electronic balance	AL104	1	N/A
	AG245	1	N/A
	BS-600+	1	N/A
	JH502	1	N/A
HPLC	Agilent 1200 (Agilent)	2	N/A
	LC-2030 (Shimadzu)	1	N/A
	LC-20A (Shimadzu)	1	N/A
GC	GC9790-J (Zhejiang Fuli)	2	N/A
	GC-2010plus (Shimadzu)	1	N/A
	GC-2014 (Shimadzu)	1	N/A
Melting point instrument	YRT-3	1	N/A
KF Titrator	ZKF-1	1	N/A
Fourier infrared spectrometer	Spectrum BX	1	N/A
Muffle furnace	4-10	1	N/A
TOC Analyzer	TOC-Vwp (Shimadzu)	1	N/A
Automatically polarimeter	SGW-1	1	N/A
UV Spectrophotometer	UV2450	1	N/A
PH meter	PHS-3E	1	N/A
Conductivity meter	DDS-307	1	N/A

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Zhejiang ChemPacific Corporation

LAB EQUIPMENT

Name	Model	Number of Units	Remarks
Digital display constant temperature water bath kettle	HHS	1	N/A
Vacuum drying oven	DZF-6050	1	N/A
Atomic absorption spectrophotometer	4510F	1	N/A
Atomic absorption spectrophotometer (Graphite furnace)	AA600	1	N/A
Density meter	Autotap	1	N/A
Flame photometer	6400A	1	N/A
Stability test chamber	DW25-200	1	N/A
	Labonce-250CGS	2	N/A
	YY-200	1	N/A
Medical refrigerator	YL-300AIL	1	N/A
Bacteria reserved sample refrigerator	BCD-168NK	1	N/A
Mold incubator	MJX-100B-Z	1	N/A
Electro thermal incubator	DRP-9272	1	N/A
Digital display electro thermal incubator	HPX-9052-MBE	1	N/A
Fully automatic vertical pressure steam sterilizer	YXQ-LS-100A	1	N/A
Hot air sterilizer	GRX-12	1	N/A
Clean bench (Microbiology laboratory)	SW-CJ-1FD	1	N/A
	VS-840-1	1	N/A
Ammonia nitrogen rapid detector	6B-220H	1	For wastewater testing
	6B-1800	1	For wastewater testing
Intelligent digester	6B-12	1	For wastewater testing



Zhejiang ChemPacific Corporation

ENVIRONMENTAL

Name	Treatment capacity	Number of Units	Remarks
Wastewater treatment system	300T/day	1	N/A
Regenerative Thermal Oxidizer (RTO)	Exhaust gas treatment capacity fully n	1	For exhaust gas treatment

Note : Solid waste is handled by a third-party company.

SAFETY

- Anti-collision pillars in front of the company's gate
- Video surveillance systems throughout the factory
- Gas alarms at key locations in the factory
- Fire extinguishers and fire hydrants throughout the factory





Baltimore ChemPacifc Corporation

PRODUCTION EQUIPMENT

PRODUCTION EQUIPMENT		
Name	Capacity	Number of Units
	22L	8
	15L	3
Glass Bottle (single or three-neck)	12L	8
	10L	6
	≤ 5L	0
Hydrogenation Bottle	≤ 3L	6
Refrigerator	15~18 cubic feet	13
Freezer	7~14 cubic feet	5
Buchi Rotovap	Up to 22L	9
Parr hydrogenator	Up to 60psi pressure	6
Vacuum oven	Max. Temp : 250°C	1
Lyophilizer	Max. low condenser temperature of -85°C	1
	SG32001	1
	HRB-20001	3
	VB-302A	1
Balance	TS4KD	1
	T31P	3
	Postal	1
	D31P60BR	1
	SK-30K III	1



Baltimore ChemPacIFIC Corporation

ANALYTICAL INSTRUMENTS & LAB EQUIPMENT

<i>Name</i>	<i>Model</i>	<i>Number of Units</i>
HPLC	Aglient 1100/1200 HPLC system	4
	HP5890 with FLD	1
GC	HP6890 with FLD	1
	Shimazu G-17A including headspace auto-sampling	1
Modular Compact Polarimeter	MCP 150	1
FTIR	Spectrum 2	1
UV-Visible Spectrometer	Lambda25	1
701 KF Titrino	701	1
Muffle Furnace	FB1415M	1
Melting Point apparatus	MPD350. BM2.1	1
Blue M Oven	G01310A	1
Ultrapure Water System	D11901	1
pH Meter Mettler Toledo	InLab ExpertPro	1
Vacuum Oven	1400E	1
Total Organic Carbon analyzer	TOC-Ve	1
Analytical Balances	AE240 and HR-202i	1 1



Baltimore ChemPacifc Corporation

ENVIRONMENTAL

<i>Name</i>	<i>Number of Units</i>
Chemical fume hood	9
Chemical fume hood-walk-in	6
Vertical laminar flow cabinets	1
Class 11 laminar flow (vertical) biological safety cabinet	1
Air Science Purair Basic Ductless Fume Hood	1

SAFETY

Interior and exterior key card entry system

Video surveillance system on the front door and in corridors

Alarms, fire extinguishers and fire hydrants installed throughout the building

Laboratory showers and eyewashes throughout the laboratory, hallway and bathrooms

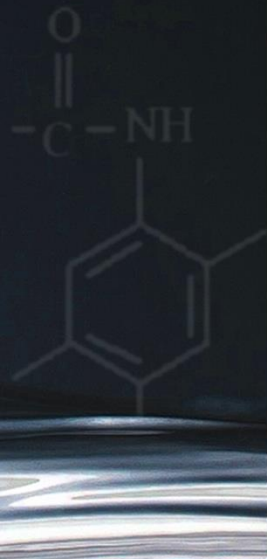
CycleChem Company, Baltimore, Maryland is contracted for chemical waste removal on a regular basis.



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