

# Kyowa Hakko Kogyo Co., Ltd. Ube Plant

**Location(Head Office)** : 1-6-1 Ohtemachi, CHIYODA-KU, TOKYO, 100-8185, Japan  
**Representative** : President Yuzuru MATSUDA

Business Classification	Capital	No. of Employees	Established
Chemical Industries	¥26,745,000,000	5,234 Company (419 in Ube Plant)	1954

**Description of Business:** Ube Plant is located in a peaceful rural setting with rich natural surrounds. We contribute to the health and well-being of people as an integrated bio-industry. We produce active pharmaceutical ingredients utilized bacteria, agricultural and fishery chemicals as well as pharmaceuticals (tablets, granules).

<b>Main Products and Business :</b> Medical and pharmaceutical products, Amino acids for medical use, Feed, Animal drugs, Chemical seasonings, Agricultural chemicals, Ammonia
<b>Main Equipment and Facilities :</b> Plants for pharmaceuticals, feed, animal drugs, chemical seasonings and agricultural chemicals
<b>Main Facilities for Protecting Pollution :</b> [ Air ] cyclone, Electric dust collector [ Water ] Waste water disposal plant (the activated sludge method) [ Offensive odor ] Bio-deodorizing equipment, Exhaust re-combustion furnace [ Waste ] Sludge incinerator, General / plastic waste incinerator
<b>Licenses, Permits, Registrations and Others :</b> Manufacture of pharmaceuticals and animal drugs, Production and distribution of poisonous and deleterious substances, High pressure gas storage (1st class), Manufacture and distributor of high pressure gas
<b>Licensed and Qualified Engineers, Specialists :</b> 13 energy controllers / 3 environmental mass measurers / 26 pollution control managers / 1 odor measurement engineer / 3 non-destructive inspection engineers

## Environmental Preservation Activities

<b>Environmental Pollution Prevention</b>	[ Air pollution ] Reduction of dust with the electric dust collector [ Water pollution ] Purification of sewage by the waste water disposal plant [ Noise ] Reduction of noise with an installation of the low-noise equipment [ Oscillation ] Reduction of oscillation by setting the equipment on a solid foundation [ Offensive odor ] Reduction of offensive odor with the bio-deodorizer and the exhaust re-combustion furnace
<b>Waste Control and its Recycling</b>	The reduction of ash by complete combustion of the incinerator / The recycling of waste plastic products processed by recycling dealers / The reduction of waste by regenerating waste bacteria to raw material / The recycling of recyclable waste card boards
<b>Reducing use of Energy and other Resources</b>	Reducing energy by the appropriate control of the fermentation process and by an appropriate temperature control of air conditioning
<b>The Earth Environmental Conservation</b>	Improvement N.P elimination by strengthening the operation control of the waste water disposal plant
<b>Outline</b>	Made efforts to acquire ISO14001 certificate / Environmental education for the workers / Promoted to report on safety and the environment (Disclosure of the environmental information)

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## International Contributions for Environmental Technology

October 28th, 1998 Global environmental preservation technology training for a group from Shangdong Province, China

### Outline of Business (Flow System and Photos)

By incorporating the latest technology, manufacturing processes have been automated, streamlined and freed from contamination as much as possible. In addition, by following GMP we have been able to produce pharmaceuticals (tablets, granules) of a very high quality.



Granulating Process



Tableting Process



Buffer Basin



Aeration Basins

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### Further Information on Environmental Technology

Kyowa Hakko Kogyo Co., Ltd.

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