

Highly Pure D-Lactic Acid (Developed product)

Product	Highly Pure D-Lactic Acid (Optical Purity > 99.5%ee)
Application	Poly(lactic Acid) (PLA) , Pesticide Intermediates, Medical Applications, Others
Feature	D-Lactic Acid with high optical purity produced by fermentation

BACKGROUND JMTC Enzyme Corporation is the start-up established by Japan Material Technologies Corporation and Asahi Glass Co., Ltd. Commercializing our proprietary biochemical technology developed by Asahi Glass for many years to produce organic acids from biomass resources, we're aiming for growth as a biotech start-up.

PRODUCT OVERVIEW Our D-Lactic Acid is an optical isomer of widely used lactic acid, L-lactic Acid. Our product has high optical purity best suited for polymer and medical applications.

Overview (Measured Values)

Concentration	80%
Optical Purity	> 99.5%ee
Production Method	Fermentation w/ Genetically modified yeast
Raw Materials	Non-genetically modified materials
Contained Materials	Please inquire for specific contained materials such as Inorganic irons and heavy metals (Basically lower than single digit ppm)



※ Please inquire availability of supply by D-Lactic Acid derivatives

PRODUCT FEATURE Our proprietary technology enable to produce highly pure D-Lactic Acid w/o environmental load

<p>High Optical Purity</p> <p>> 99.5%ee</p>	<p>Environmentally Friendly</p> <p>Fermentation technology without by-product wastes</p> <p>※</p>	<p>Flexibility</p> <p>Able to produce both D- and L- Lactic Acids in the same production process</p>
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※Our technology was, in FY 2014, presented with the Green Sustainable Chemistry (GSC) award by the Japan Association for Chemical Innovation

Contact

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