



EM Research Organization

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22 December, 2020

TO WHOM IT MAY CONCERN,

CERTIFICATE OF EFFECTIVE MICROORGANISMS SOLUTION (EM · 1)

We, EM Research Organization, Inc. Japan wish to certify that the solution of EM · 1 produced by us for use in agriculture, livestock and environmental programs and EM BOKASHI production has the following characteristics.

<Contents of Microorganisms in EM · 1>

Type of Microorganisms	Basic Species
Lactic Acid Bacteria	<i>Lactobacillus casei</i>
Phototrophic Bacteria	<i>Rhodospseudomonas palustris</i>
Yeast	<i>Saccharomyces cerevisiae</i>
Others	Beneficial Microorganisms that exist naturally in the environment survive in the mixture of EM · 1.

The cultivation of EM · 1 are focused on the above mentioned main microorganisms group. In circumstances where some of the species are not available, they can be replaced by similar characteristics in the same genera. All microbes found in EM · 1 are present in natural ecosystem, and are classifications primary used in the food industry. They are non-toxic to humans, animals, plants and the environment. The solution of EM · 1, therefore, is harmless and nonradioactive, and does not contain genetically modified organisms (GMO) and is antibiotic free product.

Sincerely Yours,

Yasushi Nishibuchi

Director

EM Research Organization, Inc.