

Certificate of Specification

Cholesterol from microorganism (KCHE-102E)

Batch#

Expiry:

Specifications

Product name:	Steryl-ester acylhydrolase
EC :	3.1.1.13
Appearance :	Light brown amorphous powder, lyophilized
Activity :	Grade III, 5.0 U/mg-solid or more
Contaminant :	Catalase $\leq 1.0 \times 10^{-2}\%$
Stability :	Stable at - 20 °C for at least 12 months
Michaelis constants :	5.7×10^{-5} M (Linoleate), 7.2×10^{-5} M (Oleate)
Inhibitors :	Hg ²⁺ , Cu ²⁺
Optimum pH :	6.0
Optimum temperature :	40 °C
pH stability :	5.0 - 9.0 (25 °C, 24hr)
Thermal stability :	below 40 °C (pH 7.0, 15min)

The batches meet the range of specifications according to the above information.

Certifications are confirmed and signed according to the batch specifications.

Date: