



Certificate of Specification

Fructosyl-amino acid oxidase (KFAO-100E)

Batch#

Expiry:

Specifications

Product name	Fructosyl- α -L-amino acid:oxygen oxidoreductase
EC	1.5.3.x
Appearance	Yellowish amorphous powder, lyophilized
Molecular weight	approx. 48,000 (SDS-PAGE)
Activity	> 3.0 U/mg solid or more
Contaminants	Catalase: < 1 %
Stability	Stable at - 20 °C for at least 12 months
Michaelis constant	F-VH : 0.5×10^{-3} M
Substrate specificity	0.01 (F-K/F-VH) 1 (F-V/F-VH)
Isoelectric point	6.6
Optimum pH	6.5
Optimum temperature	40 - 45 °C
pH Stability	5.0 - 9.0
Thermal stability	below 55 °C (pH 6.5, 10min)

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

Certifications are confirmed and signed according to the batch specifications.

Date: