

Enzyme Data

BCC-Nr.	011
Enzyme	Lipase
EC-No.	3.1.1.3
T_{opt}	50°C (recommended 40-60°C)
pH_{opt}	8 (recommended 7-9)
Stability	t _{1/2} (50°C) = 20 h, t _{1/2} (60°C) = 15 min
Activity and substrate specificity	2,2 U/mg (pNP palmitate) - highest activity C4-C10 (possible esterase)
Additives	- no activators known, inhibited by Fe ³⁺ - tolerant to tert-butanol, ethanol, isopropanol, methanol, hexadecane - not tolerant to amylalcohol, toluol, benzene, n-dec. alcohol