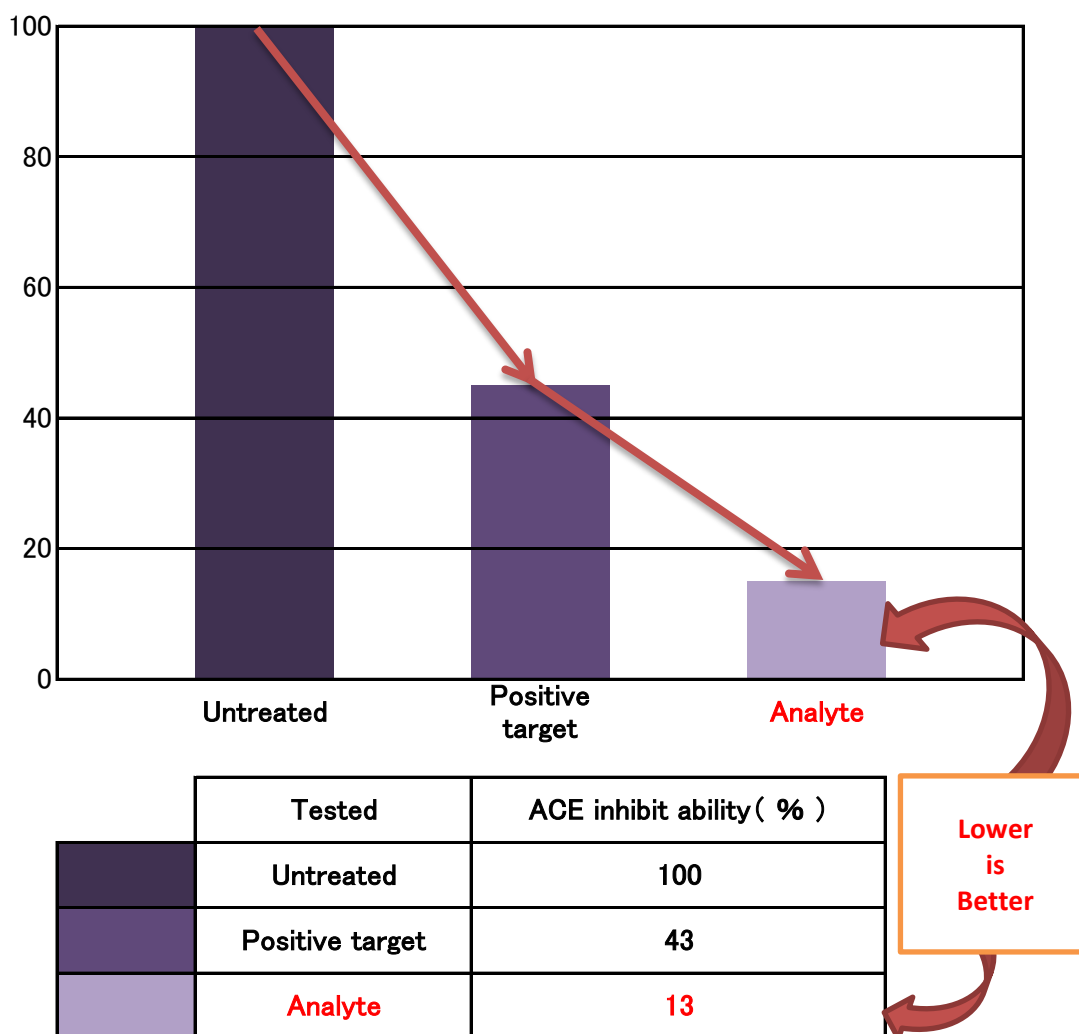


McB

Measurement result of ACE inhibit ability
(Suppression capability against high blood pressure)



JFRL (Japan Food Research Laboratory) Testing No. 10044233001-01

In the results of ACE inhibit ability tests for tested solution and positive target, extractions' ACE inhibit ability was 13% of untreated (100%), so we had proven this analyte have the big amount of ingredients as an ACE inhibitor.

Test Description

After getting 1.0g of extract with 20ml of ethanol solution (50%), diluted it x10 with 0.1mol/l HEPES buffer solution (pH8.3) to adjust tested solution (5mg/ml). Then measured its ACE inhibit ability.

This testing was based on Nakano's methods [1], made dipeptide (came from substrate by ACE) fluorescent, then did with measuring its fluorescence intensity. We evaluated its ACE inhibit ability with comparing the data of untreated as 100%. About Captopril solution (10nmol/l concentrated) as angiotensin inhibitor, tested and measured under the same condition then made it called positive target this time.

[1] Nakano et al. : Biosci. Biotechnol. Biochem., 70, 1118-1126(2006).