



Research Centre for Bioorganic Chemistry
Chulalongkorn University, Bangkok, THAILAND

Sample : AloEx Phenolic extract
Received Date : March 14, 2024
Origin : Nasaema Industry Co.,Ltd
Method for evaluation :
Total phenolic compounds: Folin–Ciocalteu reagent
Total flavonoid content: aluminium-flavonoid complex formation
Antioxidants by DPPH Radical Scavenging Activity

Results

total phenolic compounds) = 200-220 mg GAE/g sample
(mg GAE/g sample: equivalent to milligram of gallic acid per a gram of sample)

total flavonoid content) = 7.8-9.5 mg QE/g sample
(mg QE/g sample: equivalent to milligram of quercetin per a gram of sample)

Antioxidants by DPPH Radical Scavenging Activity

IC₅₀ = 24 µg/ml

TEAC = 371 mg Trolox/g sample

(TEAC = Trolox equivalent antioxidant capacity in mg Trolox/g sample)

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