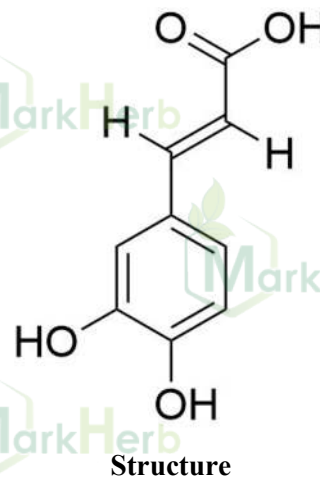


CERTIFICATE OF ANALYSIS

For Laboratory Use Only

Product name Caffeic Acid
Other names (E)-3-(3,4-dihydroxyphenyl) prop-2-enoic acid; 3,4-Dihydroxycinnamic Acid; 3-(3,4-Dihydroxyphenyl)Acrylic Acid; Trans-Caffeic Acid; 3,4-Dihydroxybenzeneacrylic Acid; (2E)-3-(3,4-Dihydroxyphenyl) Prop-2-Enoic Acid; (E)-3-(3,4-Dihydroxyphenyl)Acrylic Acid; Asam Kafeat (INA)
CAS 331-39-5
Catalog No. PHE-13-100
Formula C₉H₈O₄
Molecular mass 180,16 g/mol
Date of sample 02/09/2021
Date of re-evaluation -
Date of report 02/09/2021



ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	White, powder	White, powder
Purity	HPLC-UV	>95%	98%
UV spectrum	UV Spectroscopy	NA	NA
Mass spectrum	LC-MS/MS	NA	NA
NMR	¹ H-NMR, ¹³ C-NMR	NA	NA
Water content	NA	NA	NA
Adjusted purity	NA	NA	NA

NA, not available

STORAGE CONDITIONS

Storage Keep container tightly closed in a dry and well-ventilated place
Transport Room temperature

Digitally signed by
 Andi Rifki Rosandy, Ph.D
 Date: 02.09.2021
 Bandung - Indonesia