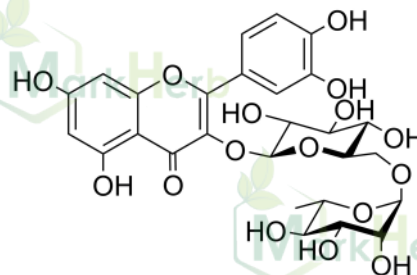


CERTIFICATE OF ANALYSIS

For Laboratory Use Only

Product name Rutin
Other names 3,3',4',5,7-Pentahydroxyflavone
 3-rutinoside; 3-Rutinosyl
 quercetin; Globulariacitrin;
 Ilixanthi; Myrticalorin; Osyritrin;
 Paliuroside; Phytomelin;
 Quercetin 3-rhamnoglucoside;
 Quercetin 3-rutinoside; Rutoside;
 Sophorin; Tanrutin;
 Violaquercitrin; Vitamin P
CAS 153-18-4
Catalog No. FLV-2-100
Formula C₂₇H₃₀O₁₆
Molecular mass 610.52 g/mol
Date of sample 08/05/2021
Date of report 08/05/2021



Structure

ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	Yellow, powder	Yellow, powder
Purity	HPLC-UV	> 95%	97.26%
UV spectrum	UV Spectroscopy	256 nm, 361 nm	256 nm, 361 nm
Mass spectrum	LC-MS/MS	610.52 g/mol	612.17 g/mol
NMR	¹ H-NMR, ¹³ C-NMR	Conforms	Conforms
NA, not available			

STORAGE CONDITIONS

Storage Room temperature in a dry place, keep away from direct light
Transport Room temperature

Digitally signed by
 Andi Rifki Rosandy, Ph.D
 Date: 10.05.2021
 Bandung - Indonesia