

## CERTIFICATE OF ANALYSIS

**Name** 1,3-Dicaffeoylquinic acid

**Catalog No.** RS818433

**CAS No.** 19870-46-3

**Purity** 98%

**Weight** 20mg

**Formula** C<sub>25</sub>H<sub>24</sub>O<sub>12</sub>

**Molecular Weight** 516.5

**Physical Description** Powder

**Application** Reference Standard

**Solvent** Methanol and acetonitrile

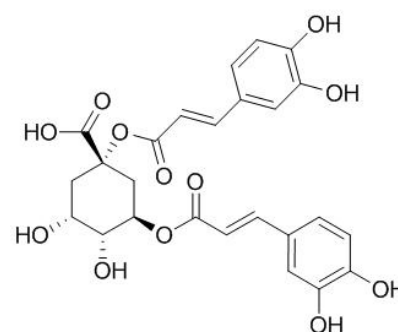
**Lot No.** RS818433-01

**Shelf Life** 2 Years

**Date Of Report** Dec 04, 2019

**Storage** Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 24 months(2-8 °C)

**After receiving** The packaging of the product may have turned upside down during transportation, resulting in the natural compounds adhering to the neck or cap of the vial. take the vial out of its packaging and gently shake to let the compounds fall to the bottom of the vial.



## Analytical Results

Test	Specification	Results
Appearance	Off - Powder	Off - Powder
Loss on drying	< 3%	1.3%

Test	Results
Identification by NMR	Consistent with the above structure
Purity by HPLC	98%

**QA Signature:**

**Date:** Dec 04, 2019