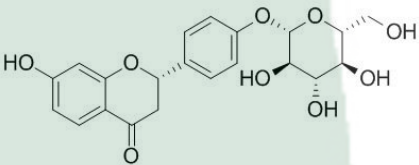


|                       |  |  |
|-----------------------|--|--|
| <b>PRODUCT ID</b>     | E-0079                                 | <p><b>Structure</b></p>  |
| <b>PRODUCT</b>        | Liquiritin /甘草苷                        |  |
| <b>STANDARD TYPE</b>  | Quantitative Reference Material (含量测定) |  |
| <b>LOT NUMBER</b>     | 18041023                               |  |
| <b>ASSAY METHOD</b>   | HPLC,MS,NMR                            |  |
| <b>DATE OF SAMPLE</b> | 2018-04-10                             |  |
| <b>DATE OF REPORT</b> | 2018-04-10                             |  |

|                             |  |
|-----------------------------|--|
| <b>OTHER NAME</b>           | Liquiritoside                                  |
| <b>CHEMICAL FORMULA</b>     | C <sub>21</sub> H <sub>22</sub> O <sub>9</sub> |
| <b>MOLECULAR WEIGHT(MW)</b> | 418.39   |
| <b>CAS NUMBER</b>           | 551-15-5                                       |
| <b>CHEMICAL FAMILY</b>      | Flavonoids                                     |

#### ANALYTICAL RESULT

| TEST                    | METHOD        | SPECIFICATION | RESULT   |
|-------------------------|---------------|---------------|----------|
| HPLC                    | Q/TFFK79—2006 | NLT ≥98.0%    | 98.7%    |
| NMR                     |               | Conforms      | Conforms |
| MS                      |               | Conforms      | Conforms |
| <b>Residual Solvent</b> | Q/TFFK79—2006 | NA            | ND       |
| <b>Water</b>            | Q/TFFK79—2006 | ≤2%           | Conforms |
| <b>Appearance</b>       |               | White Powder  | Conforms |

#### STORAGE CONDITIONS

|            |                    |
|------------|--------------------|
| STORAGE    | Refer to the label |
| SHELF LIFE | 2 Years            |

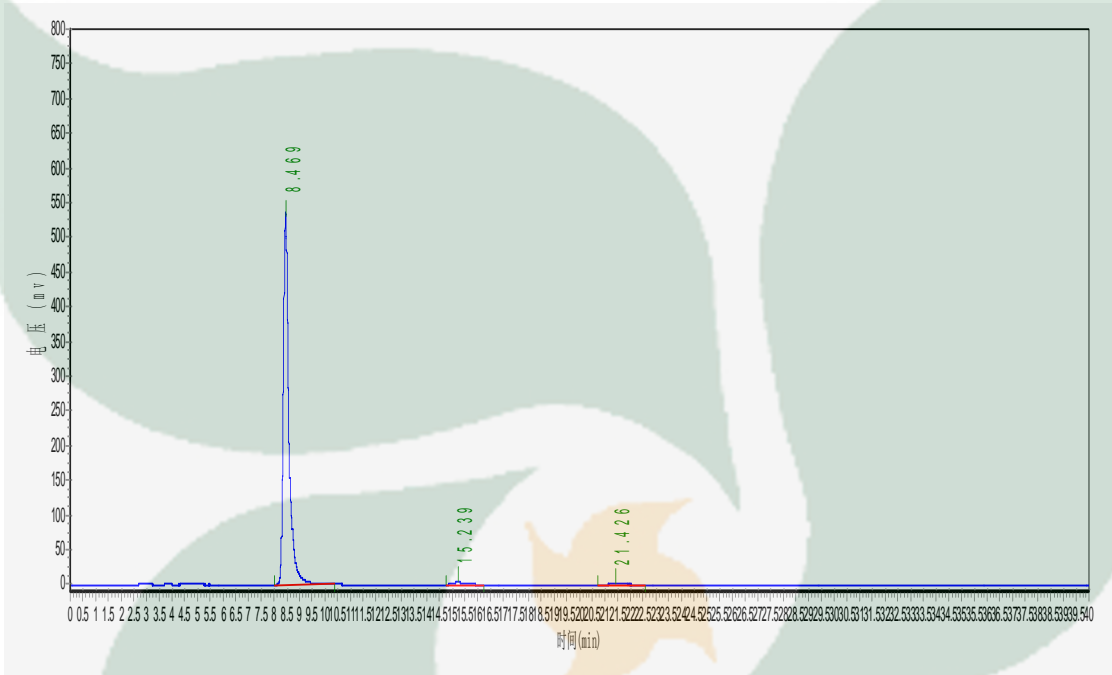
Analyst

Checker

Manager

# Product Analysis Report

Product Name: Liquiritin      Chrom-Column: C18  
Lot Number: 18041023      Mobile Phase: ACN:0.1%H<sub>3</sub>PO<sub>4</sub>=23:77  
Temperature: 25°C      Wavelength: 237nm  
Detect Time: 2018-04-10      Inject Vol: 20ul  
Sample dissolution: 50%MeOH      Flow: 1.0ml/min



| No. | Ret.Time min | Height mAU | Area mAU*min | Rel.Area % |
|-----|--------------|------------|--------------|------------|
| 1   | 8.469        | 535341.063 | 8149084.000  | 98.7686    |
| 2   | 15.239       | 3402.100   | 82889.203    | 1.0046     |
| 3   | 21.426       | 540.297    | 18707.500    | 0.2267     |