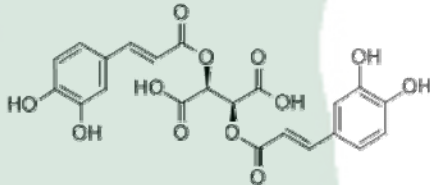


<b>PRODUCT ID</b>	E-0280	<b>Structure</b> 
<b>PRODUCT</b>	Cichoric acid /菊苣酸	
<b>STANDARD TYPE</b>	Quantitative Reference Material (含量测定)	
<b>LOT NUMBER</b>	16102421	
<b>ASSAY METHOD</b>	HPLC,MS,NMR	
<b>DATE OF SAMPLE</b>	2016-10-24	
<b>DATE OF REPORT</b>	2016-10-24	

**CHEMICAL NAME** (2R,3R)-2,3-bis[[*(E)*-3-(3,4-dihydroxyphenyl)prop-2-enoyl]oxy]butanedioic acid

**OTHER NAME**

**CHEMICAL FORMULA** C<sub>22</sub>H<sub>18</sub>O<sub>12</sub>

**MOLECULAR WEIGHT(MW)** 474.37112

**CAS NUMBER** 70831-56-0

**CHEMICAL FAMILY** Phenylpropanoids 苯丙素类

**FROM** Echinacea Angustifolia 狭叶紫锥菊

### ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK265—2007	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK265—2007	NA	ND
Water	Q/TFFK265—2007	≤2%	Conforms
Appearance		White Powder	Conforms

### STORAGE CONDITIONS

STORAGE Refer to the label

SHELF LIFE 2 Years

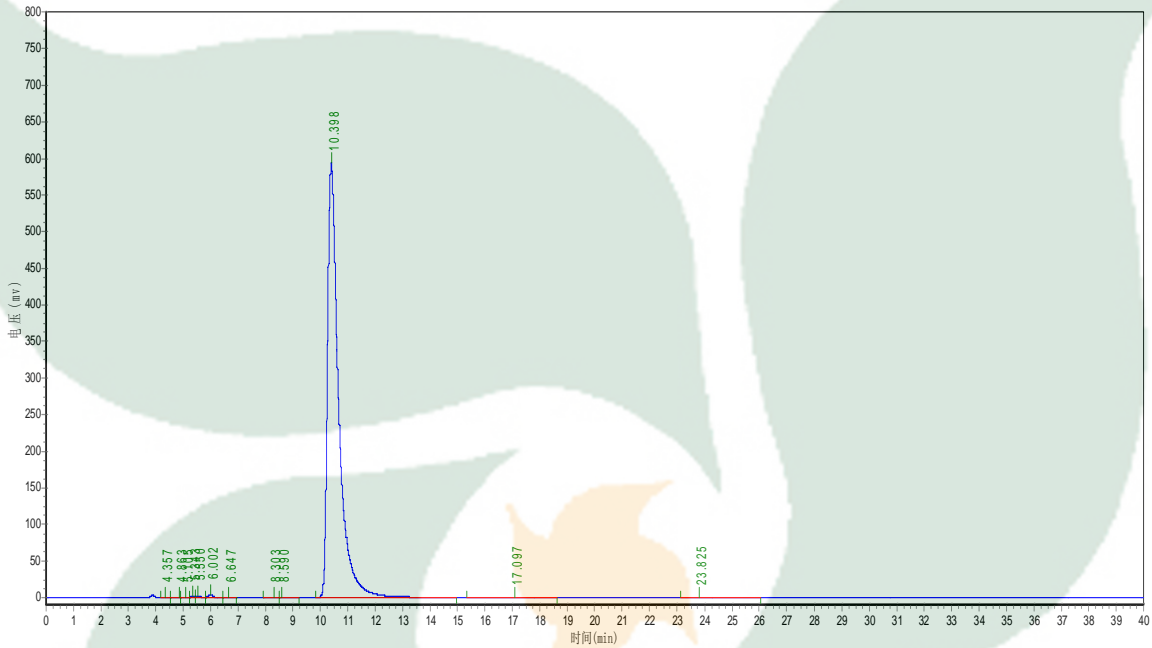
Analyst

Checker

Manager

# Product Analysis Report

**Product Name:** Cichoric acid      **Chrom-Column** C18  
**Lot Number:** 16102421      **Mobile Phase:** ACN:0.1%H3PO4(23:77)  
**Detector:** UV      **Wavelength:** 330nm  
**Detect Time:** 2016-10-24      **Inject Vol:** 20ul  
**Analyst:** zhanghong      **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.357	377.550	3936.405	0.0233
2	4.863	323.243	4733.535	0.0280
3	5.105	804.618	11933.717	0.0705
4	5.343	1275.002	14492.021	0.0856
5	5.550	1429.467	17546.035	0.1037
6	6.002	3974.301	46495.340	0.2747
7	6.647	229.635	3406.250	0.0201
8	8.303	799.211	14460.783	0.0854
9	8.590	534.615	10166.390	0.0601
10	10.398	593425.063	16751848.000	98.9852
11	17.097	483.572	40474.102	0.2392
12	23.825	65.773	4090.100	0.0242