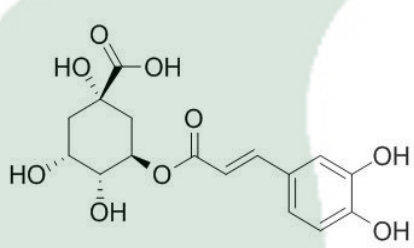


PRODUCT ID	E-0075	<p>Structure</p> 
PRODUCT	Chlorogenic acid /绿原酸	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17113021	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2017-11-30	
DATE OF REPORT	2017-11-30	

CHEMICAL NAME	(1S,3R,4R,5R)-3-[(E)-3-(3,4-dihydroxyphenyl)prop-2-enyl]oxy-1,4,5-trihydroxycyclohexane-1-carboxylic acid
OTHER NAME	Chlorogenate
CHEMICAL FORMULA	C ₁₆ H ₁₈ O ₉
MOLECULAR WEIGHT(MW)	354.30872
CAS NUMBER	327-97-9
CHEMICAL FAMILY	Phenylpropanoids 苯丙素类
FROM	lonicera japonia thunb. 金银花又名忍冬

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK62—2006	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK62—2006	NA	ND
Water	Q/TFFK62—2006	≤2%	Conforms
Appearance		Pale White Powder	Conforms

STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

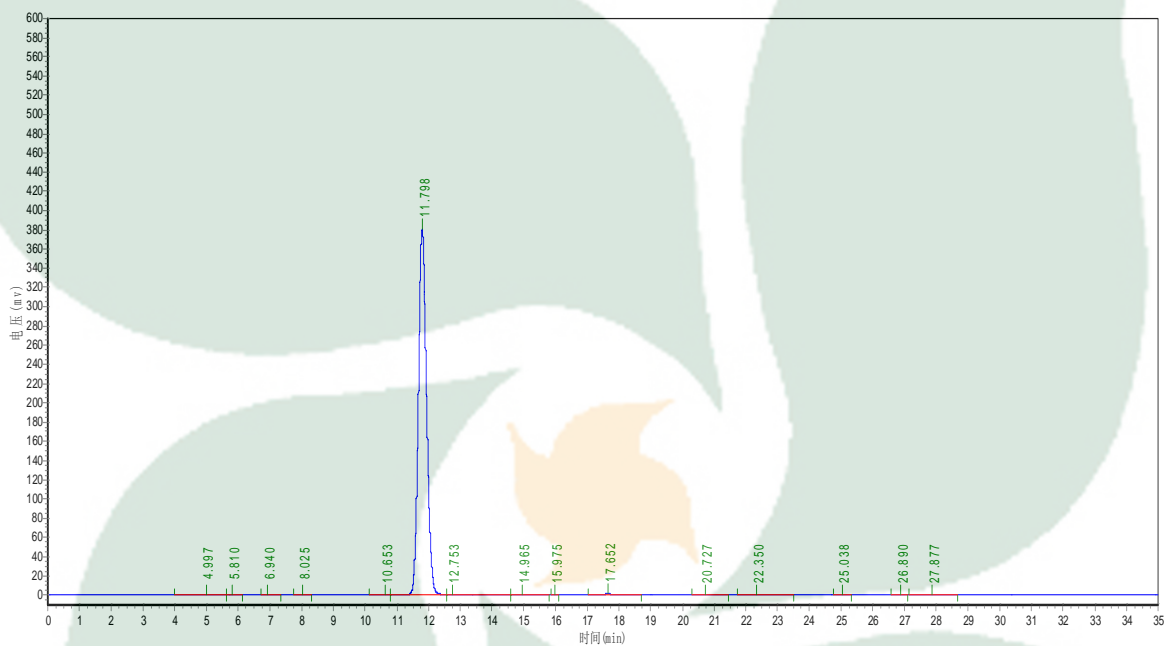
Analyst

Checker

Manager

Product Analysis Report

Product Name: Chlorogenic acid **Chrom-Column:** Kromasil C18
Lot Number: 17113021 **Mobile Phase:** ACN:0.1%H3PO4=12:88
Detector: UV **Wavelength:** 327nm
Detect Time: 2017-11-30 **Inject Vol:** 20ul
Analyst: zhanghong **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.997	239.102	20050.248	0.2904
2	5.810	77.352	906.900	0.0131
3	6.940	224.760	2677.800	0.0388
4	8.025	96.079	1394.300	0.0202
5	10.653	27.816	510.982	0.0074
6	11.798	380356.406	6812441.500	98.6809
7	12.753	689.075	19551.324	0.2832
8	14.965	39.294	1110.568	0.0161
9	15.975	12.596	59.850	0.0009
10	17.652	985.919	25636.600	0.3714
11	20.727	26.566	756.050	0.0110
12	22.350	452.699	15200.601	0.2202
13	25.038	18.519	165.450	0.0024
14	26.890	10.178	40.250	0.0006
15	27.877	78.824	3001.300	0.0435