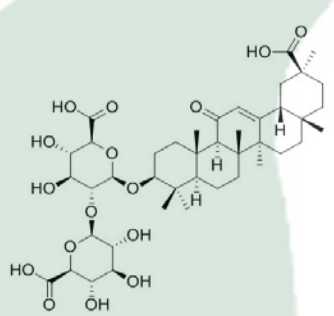


PRODUCT ID	E-0042	<p>Structure</p> 
PRODUCT	Glycyrrhizic acid /甘草酸	
STANDARD TYPE	Quantitative Reference Standard/ 含量测定	
LOT NUMBER	18030823	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-03-08	
DATE OF REPORT	2018-03-08	

OTHER NAME	Glycyrrhizin
CHEMICAL FORMULA	C42H62O16
MOLECULAR WEIGHT(MW)	822.93
CAS NUMBER	1405-86-3
CHEMICAL FAMILY	Triterpenes

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK8—2003	NLT ≥98.0%	99.0%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK8—2003	NA	ND
Water	Q/TFFK8—2003	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

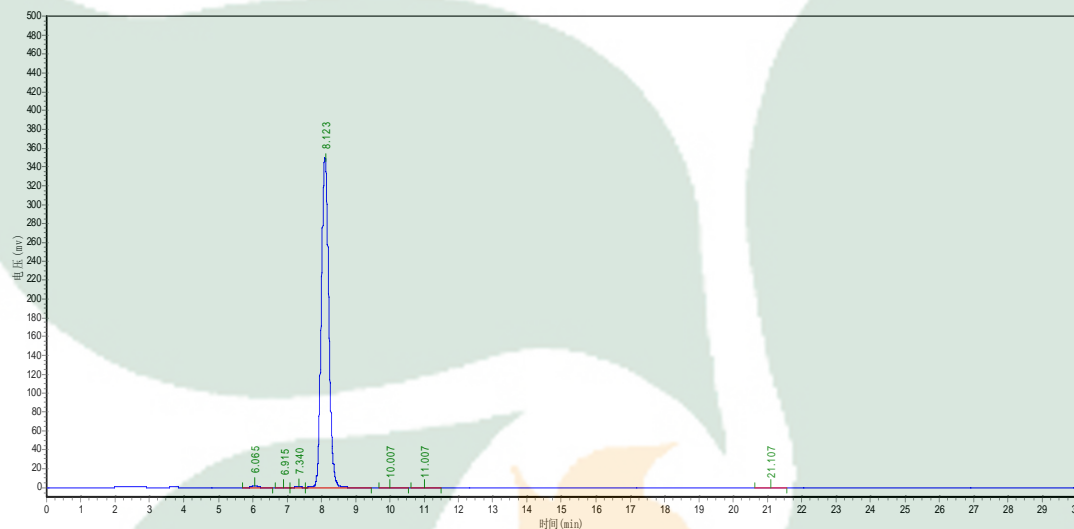
Analyst

Checker

Manager

Product Analysis Report

Product Name: Glycyrrhizic acid Chrom-Column: Arcus C18
Lot Number: 18030823 Mobile Phase: ACN:1%H3PO4=40:60
Temperature: 25°C Wavelength: 254nm
Detect Time: 2018-03-08 Inject Vol: 20ul
Sample dissolution: MeOH Flow: 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	6.065	2075.577	25259.400	0.4764
2	6.915	162.060	2145.311	0.0405
3	7.340	597.561	8548.491	0.1612
4	8.123	348692.000	5253990.000	99.0869
5	10.007	266.720	4944.400	0.0932
6	11.007	316.340	6138.900	0.1158
7	21.107	47.000	1378.500	0.0260