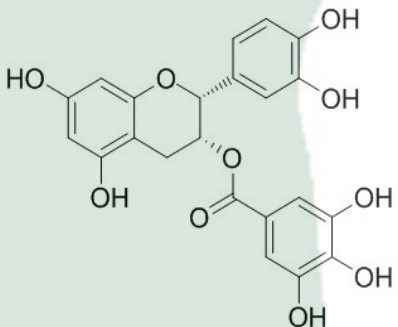


PRODUCT ID	E-0105	<p style="text-align: center;">Structure</p> 
PRODUCT	Epicatechin gallate /表儿茶素没食子酸酯	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17110622	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2017-11-06	
DATE OF REPORT	2017-11-06	

CHEMICAL NAME	[(2R,3R)-2-(3,4-dihydroxyphenyl)-5,7-dihydroxychroman-3-yl]3,4,5-trihydroxybenzoate
OTHER NAME	ECG, (-)-Epicatechin-3-gallate,
CHEMICAL FORMULA	C ₂₂ H ₁₈ O ₁₀
MOLECULAR WEIGHT(MW)	442.37232
CAS NUMBER	1257-08-5
CHEMICAL FAMILY	Catechins,Tannins
FROM	Acacia catechu (L.F.) Willd

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK101—2007	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK101—2007	NA	ND
Water	Q/TFFK101—2007	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE
SHELF LIFE

Refer to the label

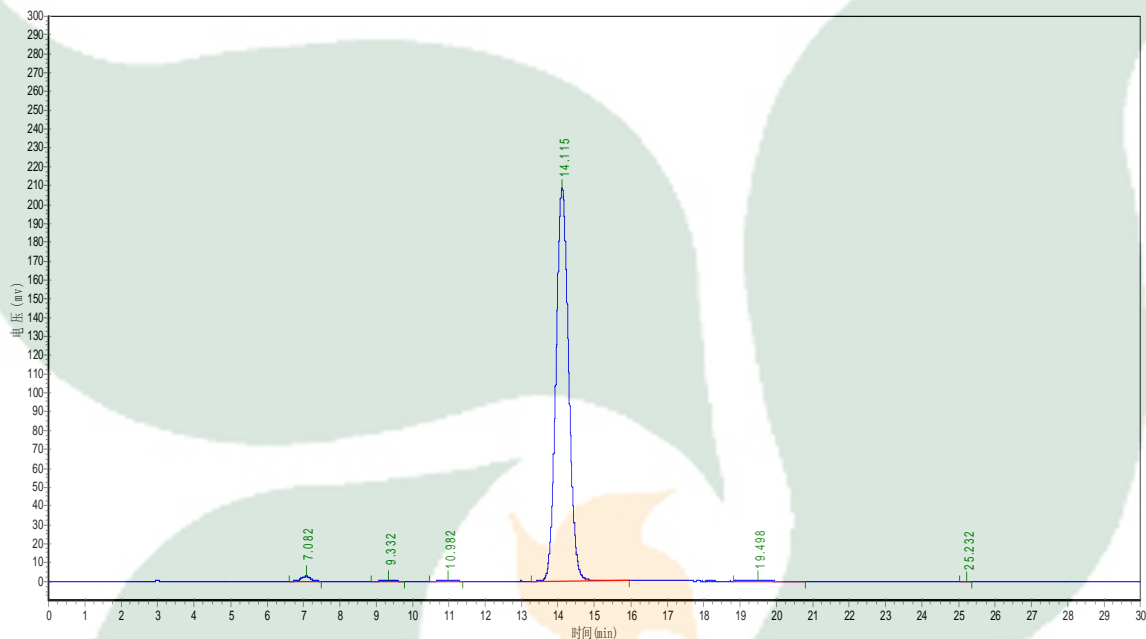
Analyst

Checker

Manager

Product Analysis Report

Product Name: Epicatechin gallate Chrom-Column: C18
Lot Number: 17110622 Mobile Phase: MeOH:0.1%H3PO4(32:68)
Detector: UV Wavelength: 280nm
Detect Time: 2017-11-06 Inject Vol: 20ul
Analyst: zhanghong Flow: 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	7.082	2677.783	45952.898	0.8977
2	9.332	627.418	10299.000	0.2012
3	10.982	392.125	8292.500	0.1620
4	14.115	208277.109	5050427.000	98.6647
5	19.498	97.814	3656.300	0.0714
6	25.232	14.600	149.900	0.0029