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PRODUCT ID	E-0119	Structure
PRODUCT	Tacrolimus /他克莫司FK-506	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17071735	
ASSAY METHOD	HPLC,NMR	
DATE OF SAMPLE	2017-07-17	
DATE OF REPORT	2017-07-17	

OTHER NAME

CHEMICAL FORMULA

C₄₄H₆₉NO₁₂

MOLECULAR WEIGHT(MW)

804.01816

CAS NUMBER

104987-11-3

CHEMICAL FAMILY

大环内酯类

FROM

Streptomyces tsukubaensis

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK54—2006	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK54—2006	NA	ND
Water	Q/TFFK54—2006	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE
SHELF LIFE

Refer to the label
2 Years

Analyst

Checker

Manager

Product Analysis Report

Product Name: Tacrolimus

Chrom-Column: C18

Lot Number: 17071735

Mobile Phase: ACN:0.1%H₃PO₄ (70:30)

Temperature: 60°C

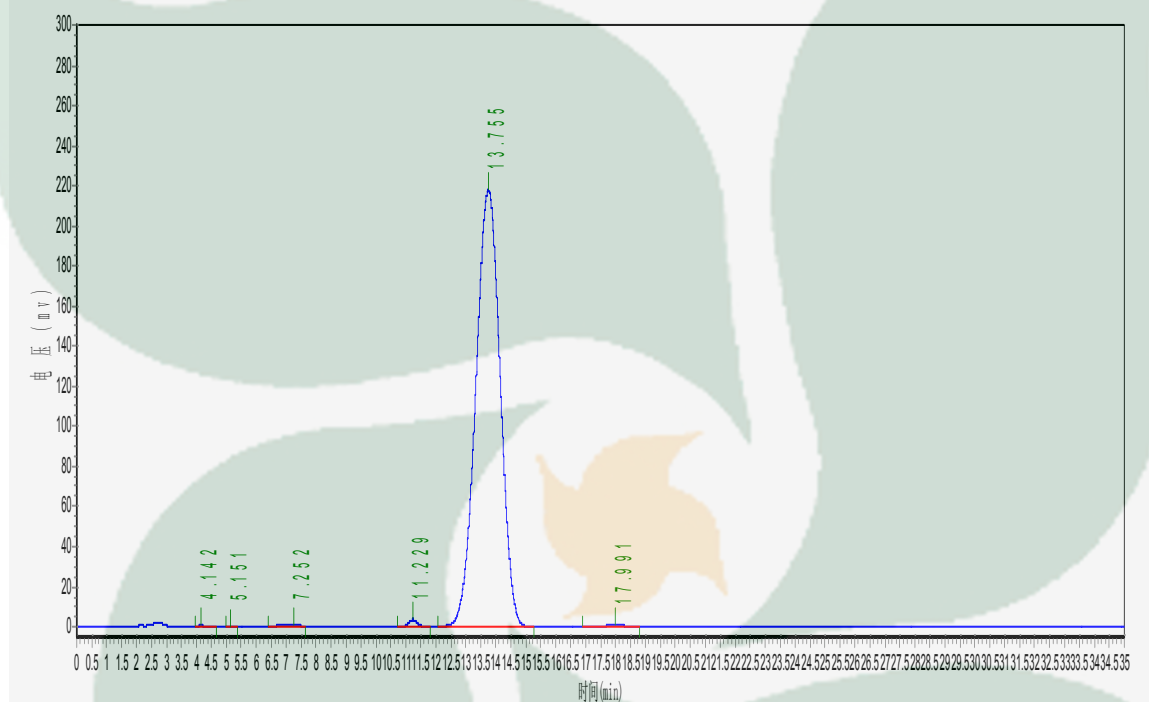
Wavelength: 220nm

Detect Time: 2017-7-17

Inject Vol: 20μL

Analyst: shuzhilin

Flow: 1ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.142	1114.628	10918.400	0.0876
2	5.151	481.780	4433.559	0.0356
3	7.252	1056.257	49138.910	0.3942
4	11.229	3619.477	69700.000	0.5592
5	13.755	217841.250	12289832.000	98.6031
6	17.991	766.633	39915.051	0.3202