



同田生物  
TAUTO BIOTECH

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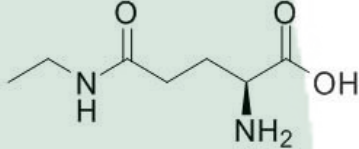
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<b>PRODUCT ID</b>	E-2474	<b>Structure</b> 
<b>PRODUCT</b>	Theanine/茶氨酸	
<b>STANDARD TYPE</b>	Quantitative Reference Material (含量测定)	
<b>LOT NUMBER</b>	18061141	
<b>ASSAY METHOD</b>	HPLC,MS,NMR	
<b>DATE OF SAMPLE</b>	2018-06-11	
<b>DATE OF REPORT</b>	2018-06-11	

**OTHER NAME** L-Theanine  
**CHEMICAL FORMULA** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>  
**MOLECULAR WEIGHT(MW)** 174.2  
**CAS NUMBER** 3081-61-6  
**CHEMICAL FAMILY** Alkaloids

#### ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK542—2007	NLT ≥98.0%	99.6%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK542—2007	NA	ND
Water	Q/TFFK542—2007	≤2%	Conforms
Appearance		White Powder	Conforms

#### STORAGE CONDITIONS

STORAGE Refer to the label  
SHELF LIFE 2 Years

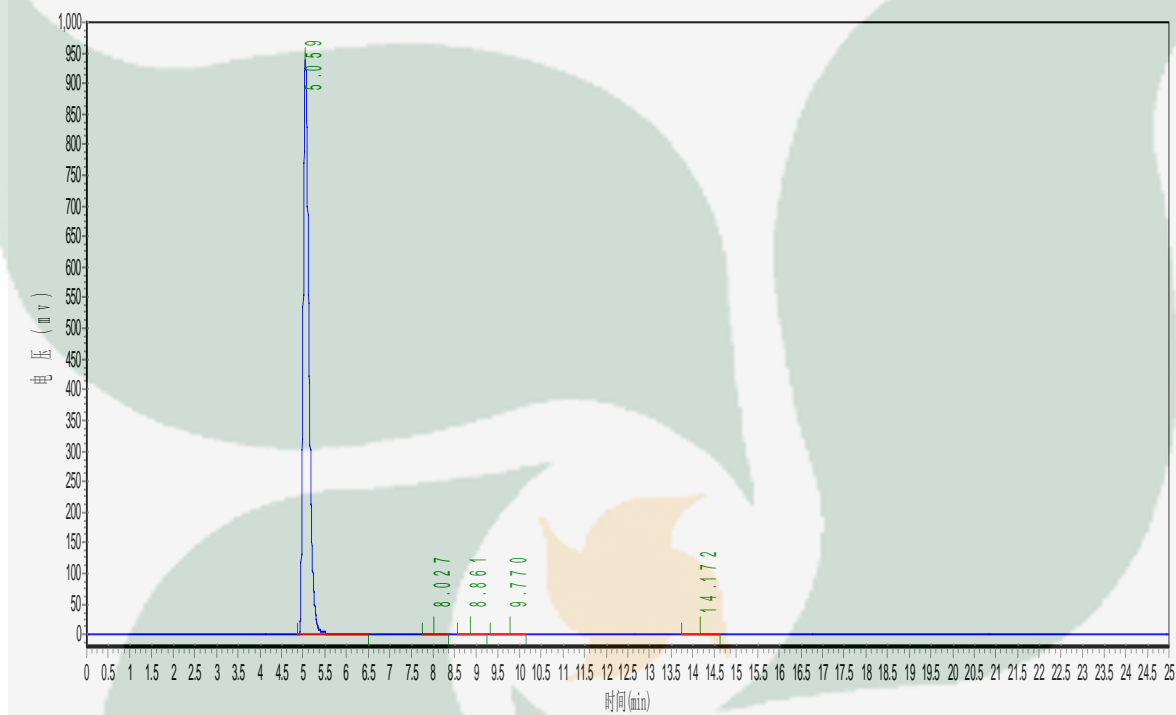
Analyst

Checker

Manager

# Product Analysis Report

**Product Name:** Theanine      **Chrom-Column:** C18  
**Lot Number:** 18061141      **Mobile Phase:** ACN:0.1%H3PO4=1:9  
**Detector:** UV      **Wavelength:** 203nm  
**Detect Time:** 2018-06-11      **Inject Vol:** 20ul  
**Sample dissolution:** H2O      **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	5.059	936028.375	8785459.000	99.6408
2	8.027	764.240	8749.350	0.0992
3	8.861	693.098	9804.600	0.1112
4	9.770	425.245	7205.200	0.0817
5	14.172	308.404	5914.500	0.0671