



**同田生物**  
**TAUTO BIOTECH**

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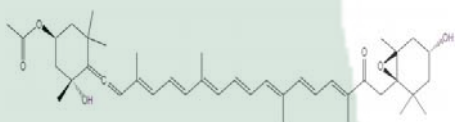
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<b>PRODUCT ID</b>	E-1192	<b>Structure</b>  
<b>PRODUCT</b>	Fucoxanthin/岩藻黄素	
<b>STANDARD TYPE</b>	Quantitative Reference Material (含量测定)	
<b>LOT NUMBER</b>	18030922	
<b>ASSAY METHOD</b>	HPLC,MS,NMR	
<b>DATE OF SAMPLE</b>	2018-03-09	
<b>DATE OF REPORT</b>	2018-03-09	

**OTHER NAME** 褐藻黄素;岩藻黄质; Fucoxanthol

**CHEMICAL FORMULA** C<sub>42</sub>H<sub>58</sub>O<sub>6</sub>

**MOLECULAR WEIGHT(MW)** 658.91

**CAS NUMBER** 3351-86-8

**CHEMICAL FAMILY** Miscellaneous

**ANALYTICAL RESULT**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK104—2007	NLT ≥98.0%	98.8%
NMR		Conforms	Conforms
MS		Conforms	Conforms
<b>Residual Solvent</b>	Q/TFFK104—2007	NA	ND
<b>Water</b>	Q/TFFK104—2007	≤2%	Conforms
<b>Appearance</b>		Red Powder	Conforms

**STORAGE CONDITIONS**

**STORAGE** Refer to the label  
**SHELF LIFE** 2 Years

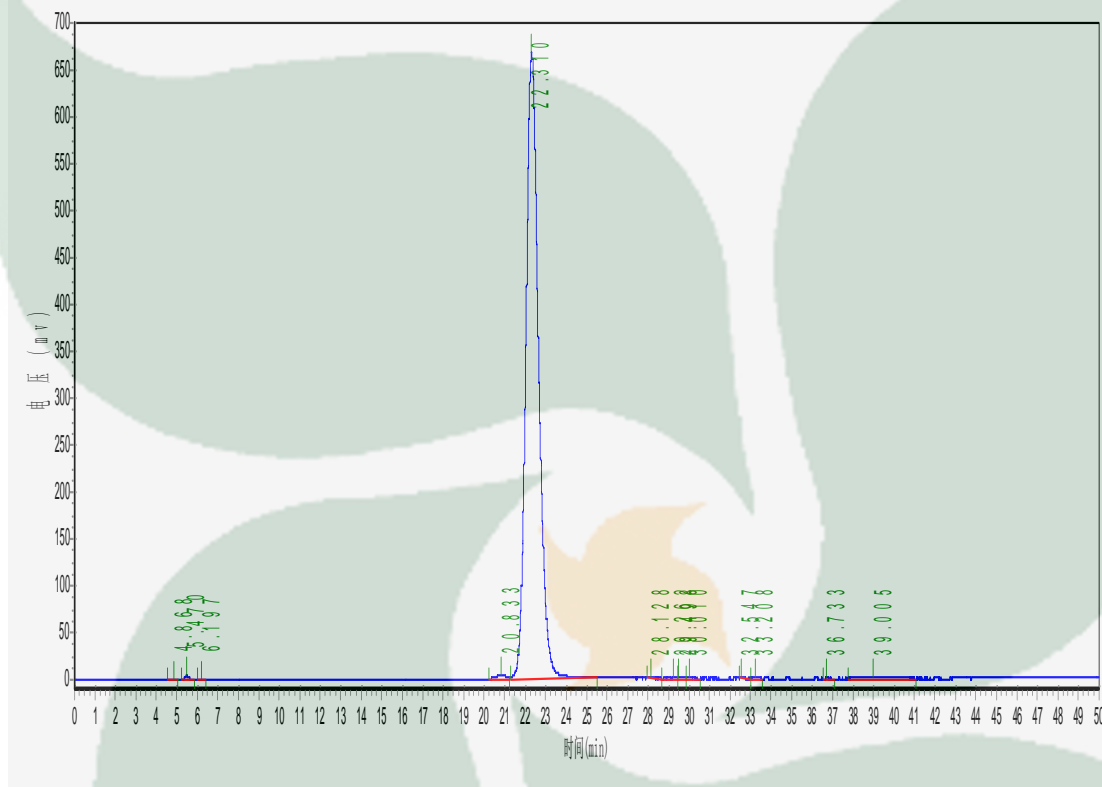
**Analyst**

**Checker**

**Manager**

# Product Analysis Report

**Product Name:** Fucoxanthin      **Chrom-Column:** C18  
**Lot Number:** 18030922      **Mobile Phase:** MeOH:H<sub>2</sub>O=89:11  
**Detector:** UV      **Wavelength:** 450nm  
**Detect Time:** 2018-03-09      **Inject Vol:** 20ul  
**Sample dissolution:** MeOH      **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.868	660.218	7239.604	0.0249
2	5.470	4273.109	47263.168	0.1627
3	6.197	367.781	3688.000	0.0127
4	20.833	3714.923	125838.617	0.4333
5	22.310	668037.688	28709034.000	98.8589
6	28.128	143.966	3205.901	0.0110
7	29.262	191.617	4200.436	0.0145
8	29.498	218.254	3840.203	0.0132
9	30.010	185.624	3499.929	0.0121
10	32.547	94.579	1040.350	0.0036
11	33.208	163.976	3387.601	0.0117
12	36.733	160.021	1749.050	0.0060
13	39.005	1589.134	126421.539	0.4353