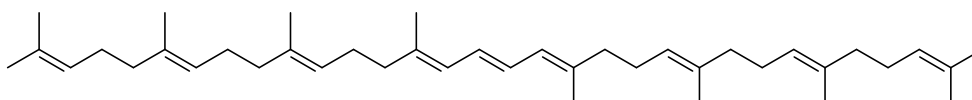




DATA SHEET

Trivial Name	(E/Z)-Phytoene
Semi-systematic Name	7,8,11,12,7',8',11',12'-Octahydro- ψ,ψ -carotene



Empirical Formula	Molecular Weight	Product Number	Date
C ₄₀ H ₆₄	544.96	0044	2020.09.15.

Appearance (Color, Form)	Transparent oily liquid
Source	Chemical synthesis
Melting Point	-

UV/VIS	Solvent	λ_{\max} (nm)	A(1%,1cm)	%III/II	
	Hexane		277		13
			287	780	
			298		

HPLC	Purity % (peak area)	97.6
	Stationary Phase	LiChrospher C ₁₈ 5 μ m

Properties	Non-toxic, pure, contains no biological impurities
Remarks	For analytical purpose only, not for human consumption Store at ca. -20°C

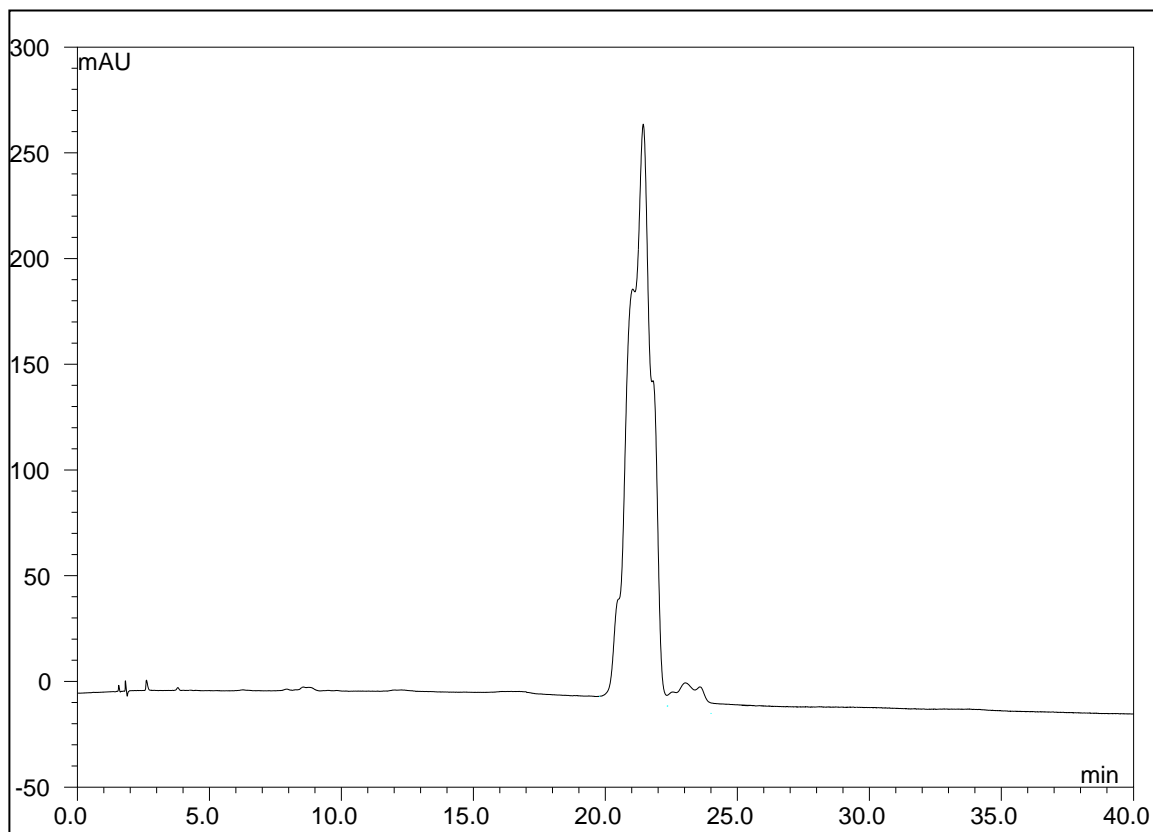


HPLC

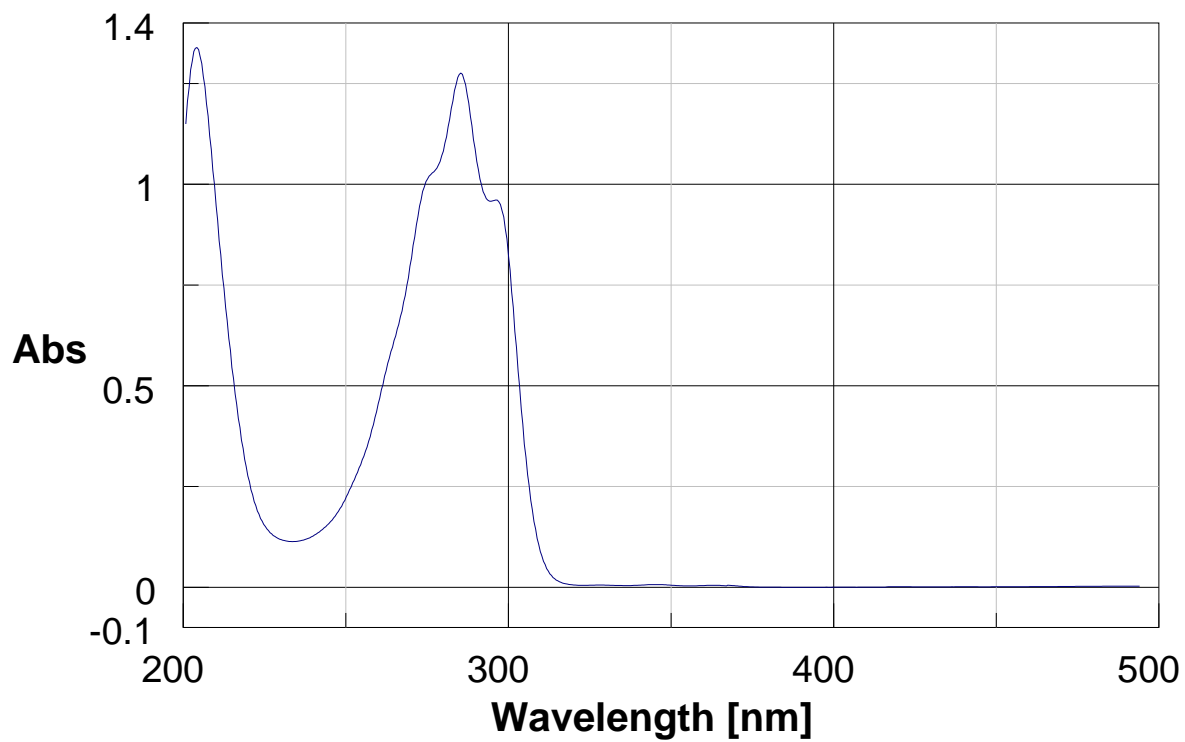
(*E/Z*)-Phytoene

Date: 2020.09.15.

280nm



	RT	% Area
1	21.43	97.59
2	23.03	2.41



Solvent: Hexane

$\lambda_{\text{max.}}(\text{nm})$: 277 287 298

$A_{1\%,1\text{cm}}$: 780