

Table 1. Absorption properties of chlorophylls in diethylether at room temperature

Compound	λ max(blue) [nm] (ϵ [10^3 M ⁻¹ cm ⁻¹])	λ max(red) [nm] (ϵ [10^3 M ⁻¹ cm ⁻¹])	Ref.
Chl <i>a</i>	428.4 (115)	660.3 (89.8)	Watanabe et al. (1984) ibid.
	429.0 (1.00) ^a	660.9 (0.775) ^a	This work ibid.
Phe <i>a</i>	408.4 (107)	667.9 (52.6)	Watanabe et al. (1984) ibid.
	408.4 (1.00) ^a	667.3 (0.497) ^a	This work ibid.
Chl <i>b</i>	451.9 (159)	641.9 (56.7)	Watanabe et al. (1984) ibid.
	452.4 (1.00) ^a	642.5 (0.355) ^a	This work ibid.
Phe <i>b</i>	432.7 (172)	654.6 (34.8)	Watanabe et al. (1984) ibid.
	433.2 (1.00) ^a	654.5 (0.202) ^a	This work ibid.
Chl <i>c</i> ₁	444.5 (1.00) ^a	628.2 (0.0984) ^a	Jeffrey (1969) ibid.
	446.1 ^b (213) ^b	629.1 ^b (23.9) ^b	Jeffrey (1972) ibid.
	438	625	Wilhelm (1987)
Chl <i>c</i> ₂	448.2 (1.00) ^a	628.2 (0.0668) ^a	Jeffrey (1969) ibid.
	444.6 ^b (195) ^b	629.6 ^b (22.7) ^b	Jeffrey (1972) ibid.
	445	628	Wilhelm (1987)
Chl <i>d</i>	447 (87.6)	688 (98.9)	Smith and Benitez (1955) ibid.
	447 (87.6)	688 (98.5)	French (1960) ibid.
	445.6 (0.853) ^a	686.2 (1.00) ^a	This work ibid.
Phe <i>d</i>	421 (84.9)	692 (72.2)	Smith and Benitez (1955) ibid.
	421 (84.9)	692 (72.2)	French (1960) ibid.
	382.7 421.3 (0.881) ^a (1.00) ^a	692.0 (0.911) ^a	This work ibid.
BChl <i>a</i>	356 (76)	771 (96)	Oelze (1985) ibid.
	357 (73.3)	771 (91.0)	Hartwich et al. (1998) ibid.
	357.2 (72.9)	771.1 (97.0)	Permentier et al. (2000) ibid.

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BPhe <i>a</i>	354	748	Oelze (1985)
	(106)	(67.6)	ibid.
	356	750	Hartwich et al. (1998)
	(113)	(67.5)	ibid.
	356.5	748.5	Kobayashi et al. (1998a)
(1.00) ^a	(0.63) ^a	ibid.	
	357.0	749.4	This work
	(1.00) ^a	(0.629) ^a	ibid.
BChl <i>b</i>	372	791	Oelze (1985)
	(77.3)	(106)	ibid.
	368 ^c	795 ^c	Jensen et al. (1964)
	(1.00) ^a	(0.96) ^a	ibid.
	371.1	795.5	This work
(0.702) ^a	(1.00) ^a	ibid.	
BPhe <i>b</i>	336	776	Oelze (1985)
	(1.00) ^a	(0.678) ^a	ibid.
	368 ^c	775 ^c	Jensen et al. (1964)
	(1.00) ^a	(0.48) ^a	ibid.
	367.9	778.5	This work
(1.00) ^a	(0.696) ^a	ibid.	
BChl <i>c</i> ^d	432	660	Stanier and Smith (1960)
(139) ^e	(89) ^e	ibid.	
BChl <i>d</i> ^d	425	650	Stanier and Smith (1960)
(114) ^f	(88) ^f	ibid.	
BChl <i>e</i> ^d	456-459 ^c	646-648 ^c	Gloe et al. (1975)
(1.00) ^a	(0.24-0.32) ^a	ibid.	
BChl <i>g</i>	364.0	767.2	Kobayashi et al. (1991)
	(90)	(96)	ibid.
	364.4	767.4	This work
	(0.938) ^a	(1.00) ^a	ibid.
Zn-BChl <i>a</i>	353	762	Hartwich et al. (1998)
	(58.9)	(67.7)	ibid.
	353.0	762.5	Kobayashi et al. (1998a)
	(0.801) ^a	(1.00) ^a	ibid.
	353.5	763.2	This work
(0.788) ^a	(1.00) ^a	Ibid.	

a: relative values.

b: in 100 % acetone + 1 % pyridine.

c: in acetone

d: mixture of several homologues.