

General Properties

Chemical Character	Perylene
Colour Index Part I	-
Colour Index Part II	-
Physical Form	Powder
Color Shade	Yellow

Physical Properties

Density	1.27	g/cm ³
Absorption	476	nm
Emission	490	nm
Quantum yield	>85	
Please refer to Absorption/Emission Diagram for details		

Solubility at 20°C

Acetone	0.5	g/l
Ethanol 99.5%	<0.1	g/l
Isopropanol	<0.1	g/l
Solvenon PM	<0.5	g/l
Ethyl acetate	0.2	g/l
Butyl acetate	0.2	g/l
Dimethyl formamide	3	g/l
Methyl methacrylate	1	g/l
White spirit	<0.1	g/l
Xylene	0.5	g/l
Toluene	<1	g/l
Benzyl alcohol	1	g/l

Heat stability in 1/3 SD with 2% TiO₂:

PS	-	°C
SAN	-	°C
PMMA	300	°C
PC	300	°C
ABS	-	°C
ASA	-	°C
SB	-	°C

1/3 SD=an opaque coloration in 1/3 standard depth of shade

Light fastness in 1/3 SD:

PS	-
SAN	-
PMMA	-
PC	-
ABS	-
ASA	-
SB	-
PVC-U	-

1=lowest light fastness, 8=highest

d=shade darkens on exposure

Recommendations for applications

PS	Suitable
PMMA	Suitable

PC
PETP

Suitable
Suitable

Recommendations for food contact

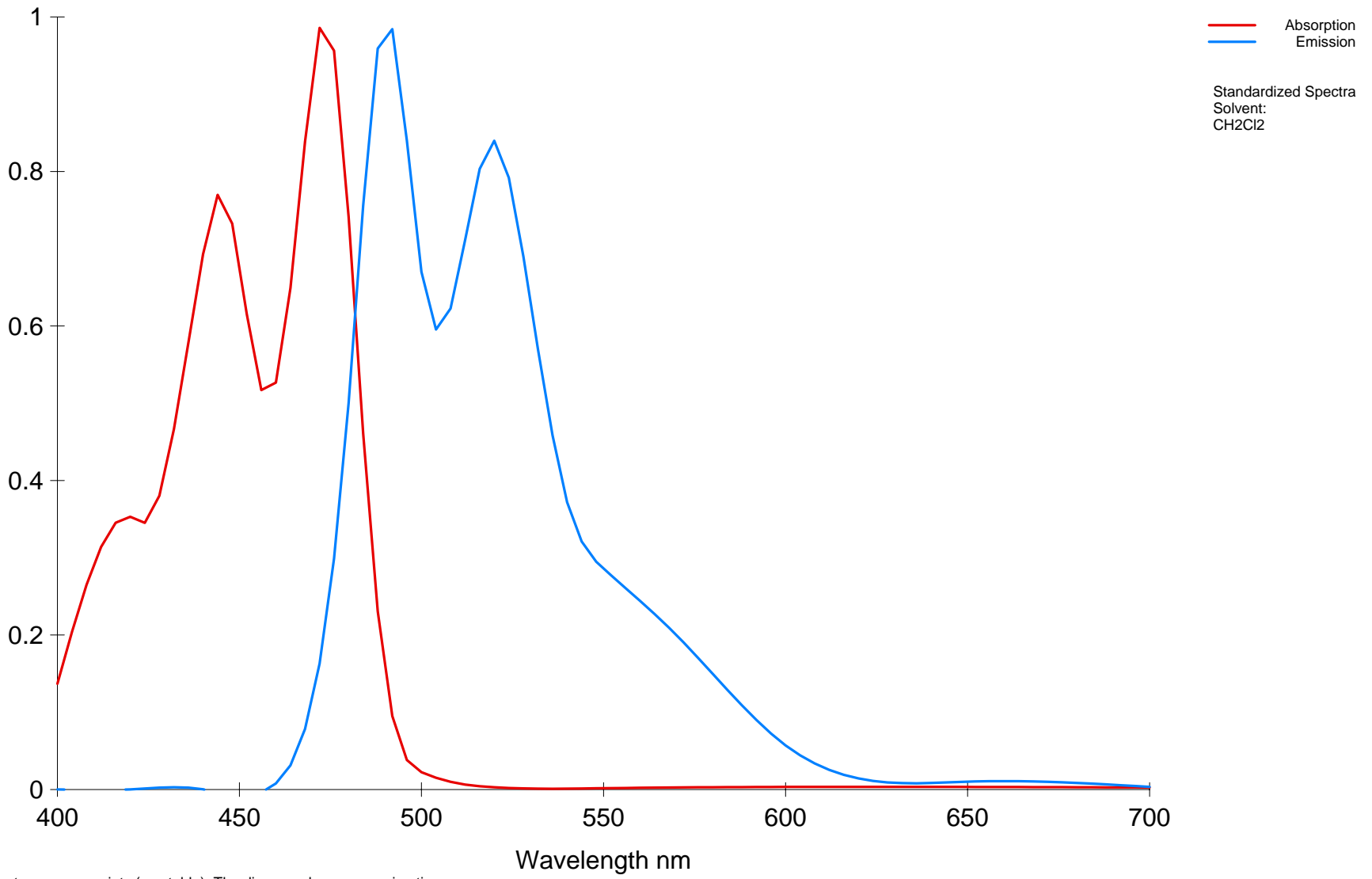
BfR
FDA
France

Suitable
Not suitable
Not suitable

UCC: Under certain conditions

All data is subject to the producer's disclaimer

Absorption/Emission Lumogen® F Yellow 083



Note: The program stores curve points (see table). The diagram shows approximations.

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Note

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