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/cm³
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

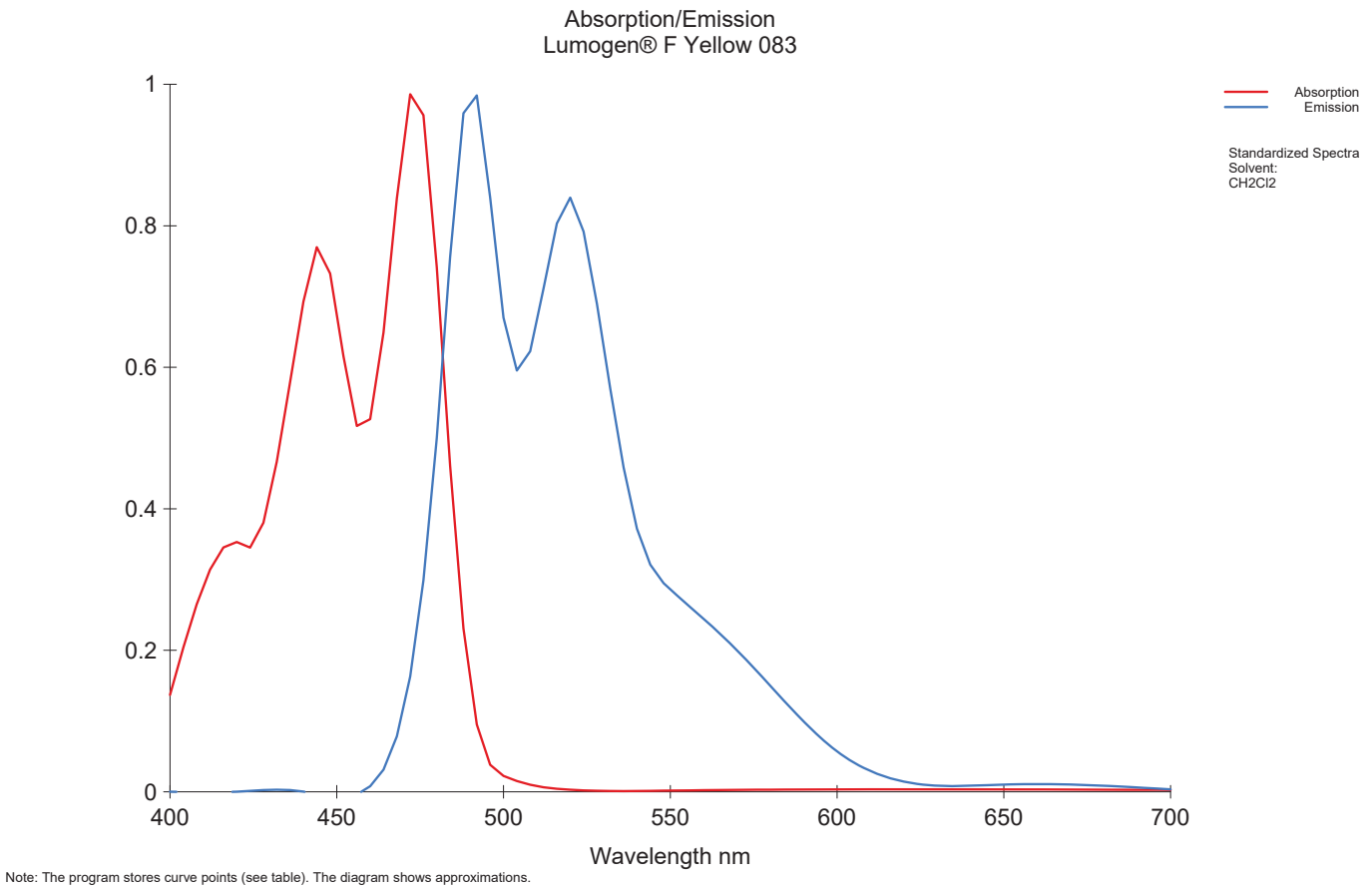
PS	Suitable
PMMA	Suitable

PC	Suitable
PETP	Suitable

Recommendations for food contact

BfR	Suitable
FDA	Not suitable
France	Not suitable

UCC: Under certain conditions



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

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

October 2004