

**General Properties**

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

**Physical Properties**

|   |      |                   |
|---|------|-------------------|
| Density   | 1.36 | g/cm <sup>3</sup> |
| Absorption  | 524  | nm                |
| Emission  | 539  | nm                |
| Quantum yield   | >90  |                   |
| Please refer to Absorption/Emission Diagram for details |      |                   |

**Solubility at 20°C**

|                     |      |     |
|---------------------|------|-----|
| Acetone             | 2    | g/l |
| Ethanol 99.5%       | <1   | g/l |
| Isopropanol         | <0.5 | g/l |
| Solvenon PM         | 2    | g/l |
| Ethyl acetate       | <0.5 | g/l |
| Butyl acetate       | <0.5 | g/l |
| Dimethyl formamide  | 15   | g/l |
| Methyl methacrylate | 2    | g/l |
| White spirit        | <0.5 | g/l |
| Xylene              | <1   | g/l |
| Toluene             | <2   | g/l |
| Benzyl alcohol      | 3    | g/l |

**Heat stability in 1/3 SD with 2% TiO<sub>2</sub>:**

|      |     |    |
|------|-----|----|
| 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 |

All data is subject to the producer's disclaimer

PC  
PETP

Suitable  
Suitable

**Recommendations for food contact**

BfR  
FDA  
France

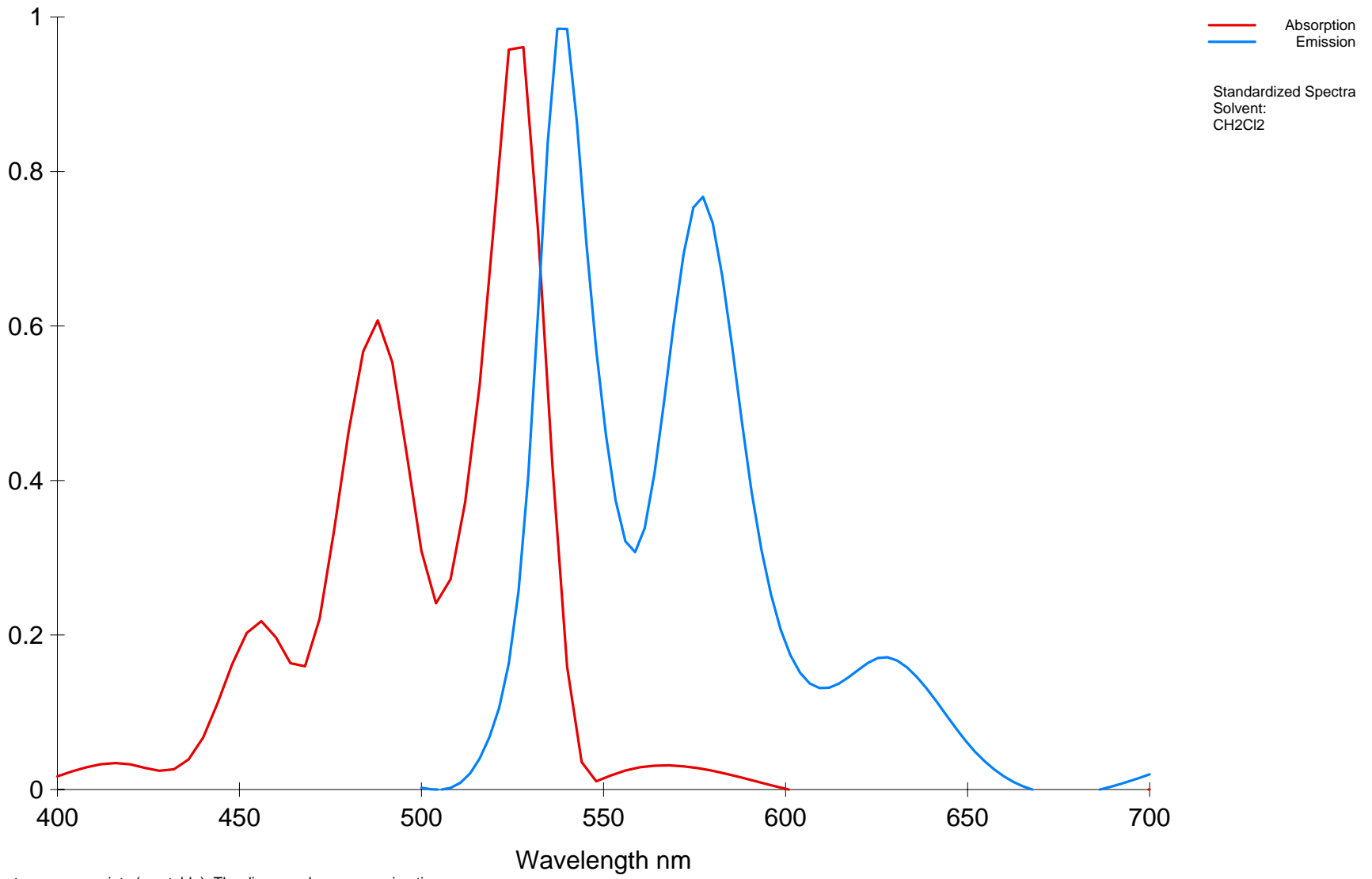
Suitable  
Not suitable  
Not suitable

UCC: Under certain conditions

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Absorption/Emission  
Lumogen® F Orange 240



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

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## Note

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