

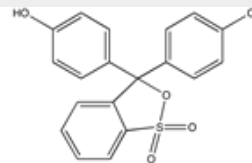
Identification $C_{19}H_{14}O_5S$

M = 354,38 g/mol

CAS [143-74-8]

EC number: 205-609-7

Taric code: 2934 99 90

**Synonyms**

Phenolsulfonphthalein, PR

Applications

analytical chemistry, indicator.

Specifications

pH range (yellow-red).....	6,8 - 8,2	Absorptivity (A1%/1 cm; λ_3 , on dried sample)...	500 - 700
clarity of solution.....	passes test	Absorptivity (A1%/1 cm; λ_4 , on dried sample)...	1000 - 1200
Absorption maximum λ_1 (pH 1,2).....	503 - 506 nm	insoluble in C ₂ H ₅ OH	passes test
Absorption maximum λ_2 (pH 3,0).....	430 - 435 nm	copper (Cu).....	max. 0,005 %
Absorption maximum λ_3 (pH 6,5).....	430 - 435 nm	iron (Fe).....	max. 0,005 %
Absorption maximum λ_4 (pH 8,8).....	557 - 560 nm	lead (Pb).....	max. 0,005 %
Absorptivity (A1%/1 cm; λ_1 , on dried sample)....	900 - 1100	nickel (Ni).....	max. 0,005 %
Absorptivity (A1%/1 cm; λ_2 ; on dried sample)....	500 - 700	loss on drying (110 °C).....	max. 5 %

Physical data

- Appearance: powder, reddish-brown
- Bulk density: ~ 200 - 300 kg/m³
- Solub. in water: (20 °C): almost insoluble

Transport/storage

- 10°C - 30°C