

Identification

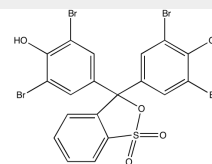
C₁₉H₁₀Br₄O₅S

M = 669,96 g/mol

CAS [115-39-9]

EC number: 204-086-2

Taric code: 2934 99 90


Synonyms

BPB, 3,3',5,5'-Tetrabromophenolsulfonphthalein

Applications

analytical chemistry, indicator.

Specifications

pH range (greenish-yellow to blue-violet)	3,1 - 4,4	Absorptivity (A1%/1 cm; I1; pH 3,0 on dried sample)	350 - 385
Absorption maximum I1 (pH 3,0)	434 - 439 nm	Absorptivity (A1%/1 cm; I2; pH 4,6 on dried sample)	940 - 1000
Absorption maximum I2 (pH 4,6)	590 - 593 nm	transition range acc. ACS	passes test
		loss on drying (110 °C).....	max. 1 %

Physical data

- Appearance: powder, slightly pink
- Bulk density: ~ 730 kg/m³
- Solub. in water: (20 °C): almost insoluble
- Melting point: 273 °C (decomposes)

Transport/storage

- 5°C - 30°C