

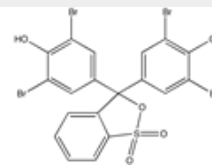
**Bromophenol blue, indicator, ACS****Identification**C<sub>19</sub>H<sub>10</sub>Br<sub>4</sub>O<sub>5</sub>S

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; λ1; pH 3,0 on dried sample)	350 - 385
Absorption maximum λ1 (pH 3,0) .....	434 - 439 nm	Absorptivity (A1%/1 cm; λ2; pH 4,6 on dried sample)	940 - 1000
Absorption maximum λ2 (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/m<sup>3</sup>
- Solub. in water: (20 °C): almost insoluble
- Melting point: 273 °C (decomposes)

**Transport/storage**

- 5°C - 30°C