

## Bromothymol blue, Plant Culture Tested

**PCT1516**

### Product Identifier

CAS No.	:	76-59-5
EC No.	:	200-971-2
Molecular Formula	:	C <sub>27</sub> H <sub>28</sub> Br <sub>2</sub> O <sub>5</sub> S
Molecular Weight	:	624.38
HS Code	:	2934 99 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	Cream to pink to brown or purple crystals or powder or solid
Solubility	:	20 ppm in ethanol yields clear solution
Clarity of solution	:	Passes test
Visual pH Transition	:	pH 5.8 (yellow) to pH 7.6 (blue)
Loss on drying (at 110°C, 1 hr)	:	<= 3.00%
Absorption maxima 1	:	428 - 438 nm (20ppm in pH 5.80 buffer solution)
Absorption maxima 2	:	611 - 621 nm (20ppm in pH 7.60 buffer solution)
Specific Absorbance 1	:	260 - 300 (20ppm in pH 5.80 buffer solution, at 433 nm)
Specific Absorbance 2	:	470 - 520 (20ppm in pH 7.60 buffer solution, at 616.0 nm)
Plant Tissue Culture Test	:	Passes

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	3