



Product Specification

Product Name: BROMOTHYMOL BLUE Free Acid pH Indicator

Alternate Name(s) BTB; dibromothymolsulphonphthalein; 3',3''-dibromothymolsulfonphthalein;
Description bromothymol blue.
Yellow, cream-coloured, slight-pink or green crystals. Odourless.

Properties

Chemical Formula: $C_{27}H_{28}Br_2O_5S$
Molecular Weight: 624.40

Product Code: BL053
CAS No. 76-59-5

General Information:

Sparingly soluble in water. Soluble in alcohol, ether & alkaline solution. Incompatible with strong acids & bases, & strong reducing agents & oxidising agents. Non combustible.

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Acidity: pK	7.1
Melting Point	204 °C
Clarity of solution (ACS)	Passes Test
Visual transition interval:	
From pH 6.0	Yellow
To pH 7.6	Blue
Loss on drying (@ 110 °C/1hr)	≤ 3 %

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH1G
Poison schedule:	Not Scheduled
Emergency	
Procedure Guide No.:	N/A

Not classified as hazardous according to the criteria of ASCC.

CONFORMS TO ACS

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