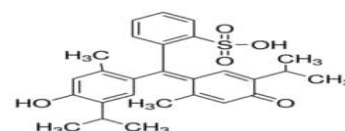


## THYMOL BLUE pH INDICATOR AR

<b>PRODUCT CODE</b>	<b>322755</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(76-61-9)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>27</sub>H<sub>30</sub>O<sub>5</sub>S</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>466.60</b>
<b>PROPERTIES</b>	<b>Brown green powder or crystals, insoluble in water, soluble in alcohol and dil. Alkali.</b>



<b>PARAMETER</b>	<b>LIMIT</b>
Visual transition interval (acid range)	pH 1.2 - 2.8 Violet red - Brownish yellow.
Visual transition interval (alkaline range)	pH 7.8 - 9.5 Yellow or greenish yellow – Blue
Clarity of Solution	To pass the test.
Absorption maximum	543 - 547 nm
λ 1 (pH 1.2)	431 - 436 nm
λ 2 (pH 2.8)	431 - 436 nm
λ 3 (pH 7.8)	594 - 598 nm
λ 4 (pH 9.5)	
Absorptivity (on dried sub.) (A1%/1cm at	400 - 500
λ 1 (pH 1.2)	200 - 300
λ 2 (pH 2.8)	200 - 300
λ 3 (pH 7.8)	450 - 550
λ 4 (pH 9.5)	
Sensitivity	To pass the test.

### MAXIMUM LIMIT OF IMPURITY

Loss on drying (at 110°C)	3.0%
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**Note(s): Assay (if applicable) method mentioned**

#### WARNING

**Hazard statements :** Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:** ---

IMDG Code :

UN No. :

IATA :

**Disposal:** The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand. The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :-

Replace Date 17-June-2023