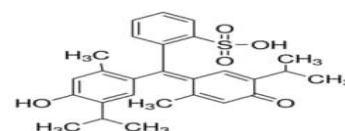


THYMOL BLUE pH INDICATOR AR

PRODUCT CODE	660655
SYNONYMS	--
C.I. NO.	--
CASR NO.	(76-61-9)
ATOMIC OR MOLECULAR FORMULA	C₂₇H₃₀O₅S
ATOMIC OR MOLECULAR WEIGHT	466.60
PROPERTIES	Brown green powder or crystals, insoluble in water, soluble in alcohol and dil. Alkali.



PARAMETER	LIMIT
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	
λ 1 (pH 1.2)	400 - 500
λ 2 (pH 2.8)	200 - 300
λ 3 (pH 7.8)	200 - 300
λ 4 (pH 9.5)	450 - 550
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 17.09.2022