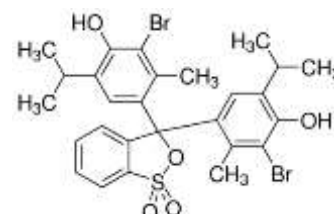


BROMO THYMOL BLUE AR (pH INDICATOR)

PRODUCT CODE	287525
SYNONYMS	--
C.I. NO.	--
CASR NO.	(76-59-5)
ATOMIC OR MOLECULAR FORMULA	$C_{27}H_{28}Br_2O_5S$
ATOMIC OR MOLECULAR WEIGHT	624.40
PROPERTIES	Soluble in alcohol and alkaline solution, slightly soluble in water.



PARAMETER	LIMIT
Description	Light pink to brown or purple or buff crystals or crystalline powder.
Solubility	Soluble in ethanol.
pH Transition Range	pH 5.8 - 7.6 Yellow - Blue
Clarity of solution	To pass the test.
Absorption maximum	
λ_1 (pH 5.8)	428 - 438 nm
λ_2 (pH 7.6)	611 - 621 nm
Absorptivity	260 - 300
(A1% / 1 cm at λ_1 ; (pH 5.8) on dried substance)	
Asorptivity	470-520
(A1% / 1 cm at λ_2 ; (pH 7.6) on dried substance)	

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: -----

Hazard Pictogram(s) :

Replace Date 06-Dec-2025