


BROMO THYMOL BLUE AR (pH INDICATOR)

PRODUCT CODE	R01110
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
pH Transition Range	pH 5.8 - 7.6 Yellow - Blue
Clarity of solution	To pass the test.
Absorption maximum	
λ_1 (pH 5.8)	430 - 435 nm
λ_2 (pH 7.6)	615 - 618 nm
Absorptivity (A1% / 1 cm at λ_1 ; (pH 5.8) on dried substance)	260 - 300
Absorptivity (A1% / 1 cm at λ_2 ; (pH 7.6) on dried substance)	470-520
MAXIMUM LIMIT OF IMPURITY	
Loss on drying (at 110°C)	3.0%
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) :	
 <p>GHS05 GHS07</p>	

Replace Date 1 April 2023

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