

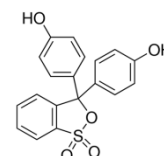


Product Specification

cdhfinechemical.com

PHENOL RED INDICATOR AR

PRODUCT CODE	313945
SYNONYMS	(Phenol sulphonaphthalein) (pH indicator)
C.I. NO.	--
CASR NO.	(143-74-8)
ATOMIC OR MOLECULAR FORMULA	C₁₉H₁₄O₅S
ATOMIC OR MOLECULARWEIGHT	354.38
PROPERTIES	Slightly soluble in water, alcohol and acetone.



PARAMETER	LIMIT
Description	Red, dark red or maroon powder.
Identification (By FTIR)	Conforms.
Dye Content (Iodometric)	Min. 98.0%
pH Transition Range	pH 1.2 - 3.0
pH Transition Range	Brownish orange - Yellow pH 6.5 - 8.0
Visual transition interval	Brownish yellow - Red violet
pH 6.8	Yellow
pH 7.0	Orange
pH 8.2	Red
UV-Visible spectrum C=0.005 G/L,H2O+20 ml pH 9.0 boric buffer	
E(558±3) nm	Min 55,000
E(360±3) nm	Min.7000
E(291±3) nm	Min.10000
Clarity of solution	Passes test.

MAXIMUM LIMIT OF IMPURITY

Loss on drying (at 110°C)	1.0%
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Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements :Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: ---

Disposal : The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :-----

IMDG Code :

UN No. :

IATA :

Replace date 17-June-2023