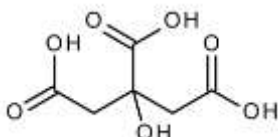




Product Specification

cdhfinechemical.com

CITRIC ACID MONOHYDRATE MEETS TO IP TESTING SPECIFICATIONS

PRODUCT CODE	P09055	
SYNONYMS	2-Hydroxy-1, 2, 3- propanetricarboxylic acid monohydrate.	
C.I. NO.	--	
CASR NO.	(5949-29-1)	
ATOMIC OR MOLECULAR FORMULA	C₆H₈O₇·H₂O	
ATOMIC OR MOLECULAR WEIGHT	210.14	
PROPERTIES	---	
		
PARAMETER	LIMIT	
Description	Colorless crystals, white granules or crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Identification	-	
Identification 'A' (by IR)	The spectrum of sample should be concordant with spectrum of standard	
Identification 'B'	It gives the reaction of citrates	
Identification 'C'	10% w/v solution is strongly acidic	
Assay (Acidimetric, Calc. on anhydrous subs.)	99.0 – 101%	
MAXIMUM LIMIT OF IMPURITIES		
Water	7.5 – 9.0%	
Sulphated ash	0.1%	
Arsenic	0.0001%	
Barium	Passes test	
Calcium	0.02%	
Heavy metals (Pb)	0.001%	
Iron (Fe)	0.005%	
Chloride (Cl)	0.005%	
Sulphate (SO ₄)	0.015%	
Oxalic acid	Passes test	
Readily carbonisable Substances	Any colour produced is not more intense than that of a mixture of 1.0 ml of CCS and 9.0 ml of FCS	
Note(s) : Assay (if applicable) method mentioned.		
WARNINGHazard statements: May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life. Precautionary statements Prevention: Wash hands thoroughly after handling. Wash thoroughly after handling. Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Remove/Take off immediately all contaminated clothingWash/Decontaminate removed clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.		IMDG Code :-- UN No. :-- IATA :--
Disposal: Dispose of contents and container in accordance with relevant legislation.		
Hazard Pictogram(s) :  GHS07		