TECHNICAL DATA SHEET
CITRIC ACID MONOHYDRATE

PRODUCT DETAILS

Particular	Details
CAS No.	5949-29-1
Molecular Formula	$C_6H_8O_7 \cdot H_2O$
Molecular Weight	210.14

TEST SPECIFICATION

No.	Item	BP 2023	E330	USP 46	EP 11.0	FCC 13	TTCA
1	Characters	Colorless or white crystal	Colorless or white crystal	/	Colorless or white crystal	Colorless or white crystal	Colorless or white crystal
2	Identification	Pass test	Pass test	Pass test	Pass test	Pass test	Pass test
3	Odor	/	/	/	/	/	/
4	Clarity and Colour of Solution	Pass test	/	Pass test	Pass test	/	/
5	Assay	99.5–100.5 %	≥99.50 %	99.5–100.5 %	99.5–100.5 %	99.5–100.5 %	/
6	Moisture	7.5–9.0 %	≤8.8 %	7.5–9.0 %	7.5–9.0 %	≤8.8 %	/
7	Sulphated Ash	≤0.1 %	≤0.05 %	≤0.1 %	≤0.1 %	≤0.05 %	/
8	Sulphate	≤150 ppm	/	≤150 ppm	≤150 ppm	/	/
9	Oxalate	≤360 ppm	≤100 ppm	≤360 ppm	≤360 ppm	≤25 ppm	/
10	Readily Carbonizable Substances	Not exceeding standard	Not exceeding standard	Not exceeding standard	Not exceeding standard	A ≤ 0.52 / T% ≥ 30	K ≤ 1.0
11	Aluminium	≤0.2 ppm	/	≤0.2 ppm	≤0.2 ppm	/	/
12	Arsenic	/	≤1 ppm	/	/	/	/
13	Mercury	/	≤1 ppm	/	/	/	/
14	Lead	/	≤0.5 ppm	/	/	≤0.5 ppm	/
15	Tridodecylamine	/	/	/	/	≤0.1 ppm	/
16	Bacterial Endotoxins	≤0.5 IU/mg	/	Pass test	≤0.5 IU/mg	/	/

APPLICATIONS

Citric Acid Monohydrate is mainly used as acidulant, flavouring and preservative in foods and beverages. It is also used as antioxidant, plasticizer, detergent and builder.

STORAGE

Keep bag well closed and store in a light-proof, dry and cool place.

SHELF LIFE

Three years.

PACKING

➢ 25 Kg / 500 Kg / 1000 Kg, palletized or unpalletized; other packing on request.

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