



บริษัท พลวัต อินเตอร์เคม จำกัด

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ADM SODIUM CITRATE DIHYDRATE, USP/FCC

DESCRIPTION:

Sodium citrate dihydrate is derived from citric acid and is available in either free-flowing colorless granular or powder form. It is odorless and freely soluble in water, but insoluble in alcohol. Storage at room temperature in tightly closed drums is recommended.

Sodium citrate dihydrate is widely used in the food, beverage, and pharmaceutical industry. It is the most widely used emulsifying salt in sliced processed cheese products. It is used as a buffering agent in combination with citric acid to provide the precise pH control necessary in many food and beverage applications. In meat products it is used as an anticoagulant of fresh blood of livestock and as a curing accelerator.

The detergent-building and rapidly biodegradable properties of citrate enable its use as an environmentally acceptable phosphate substitute in many household products.

GENERAL CHARACTERISTICS:

Formula	$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
Molecular Weight:	294.11
Appearance:	Free-flowing colorless or white granules or powder
Odor:	None
Solubility (g/100 ml at 25°C)	
Water	71
Alcohol	Insoluble

STANDARD SPECIFICATIONS:

Identification:	Meets USP/FCC Tests
Assay (anhydrous basis)	99.0 to 100.5%
Loss on drying (18 hrs at 180°C)	10.0-13.0%
pH (5g/100 ml water)	8.0-9.1
Heavy Metals	Maximum 10 ppm
Arsenic	Maximum 3 ppm

SCREENS (USS sieves)

Packaging/Product Codes	Fine Granular	Granular
	Hold on No. 30 Max 1% Passing No. 100 Max 10%	Hold on No. 16 Max 3% Passing No. 80 Max 3%
50 lb. bags	042420-OH	042410-OH
25 kg. bags	042420-2P	042410-2P
100 lb. bags	042420-1H	042410-1H
275 lb. drum	042420-7L	042410-7L

Sodium citrate dihydrate is supplied as powder in 100 lb. bags (042440-1H) and 200 lb. drums (042440-2L). Granular and fine granular are available in semi-bulk bags.

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