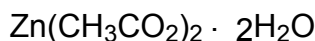


Zinc Acetate Dihydrate, Multiple Grades

Technical Data Sheet



Product Identification	Synonyms	Acetic acid, Zinc Salt, Dihydrate
	CAS No.	5970-45-6
	EINECS/ELINCS	209-170-2
	Molecular Formula	C ₄ H ₆ O ₄ Zn 2H ₂ O
	Molecular Weight	219.50

Specifications	Reagent	USP	Technical
Assay	98% Minimum	98.0-102.0%	97.0% Minimum
Insoluble	0.01 % Maximum	0.005% Maximum	-----
Chloride	0.005 % Maximum	0.005% Maximum	0.01% Maximum
pH of 5% solution @ 25°C	6.0-8.0	6.0-8.0	-----
Sulfate	0.015 % Maximum	0.010% Maximum	0.05% Maximum
Arsenic	0.003 % Maximum	3 ppm Maximum	-----
Iron	0.001% Maximum	-----	-----
Lead	0.005% Maximum	0.002 Maximum	-----
Identification	-----	To Pass Test	-----
Alkalies & Alkaline Earths	-----	0.2% Maximum	-----
Free Acids (as Acetic)	-----	-----	0.05% Maximum

USP grade is manufactured in accordance with current Good Manufacturing Practices (cGMPs).

Physical Properties	Property	Value
	Appearance	White crystals or crystalline powder
	Odor	Slight acetic acid odor
	Melting Point	237°C(decomposes)
	Specific Gravity	1.735 @ 25°C
	Solubility in water	41.6 g/100ml @20°C; 66.6 g/100ml @ 100°C

Packaging 100 kg. drums

Applications

Pharmaceutical Applications: Zinc Acetate had found utility in a number of ethical and OTC pharmaceutical applications. The material is being used as a treatment for Wilson's Disease, also used as an astringent in OTC topical antihistamine creams and lotions at levels of 1-4%.

Specialty Chemical Applications: Zinc Acetate is used as a buffer and stabilizer in adhesive and thermoset resin systems. It is formulated in specialty metal cleaners to impart corrosion resistance in ferrous based metals.

Nutritional Supplement: Zinc Acetate is also used as a source of nutritional zinc.

Foundry Applications: Zinc Acetate is source of catalytic zinc in foundry formulations.

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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