



# VIRCHOW LABORATORIES LIMITED UNIT-II

Ref. :

Date :

PAGE NO: 1 OF 2

## TECHNICAL DATASHEET

**PRODUCT NAME:** OXALIC ACID DI HYDRATE

**CHEMICAL FAMILY:** ORGANIC ACID

**CHEMICAL NAME:** OXALIC ACID DIHYDRATE

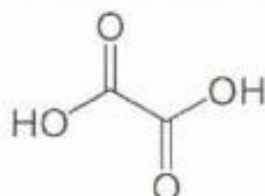
**SYNONYM(S):** ETHANEDOIC ACID DIHYDRATE

**CAS NUMBER :** 144-62-7

**MOLECULAR FORMULA :**  $(\text{COOH})_2 \cdot 2\text{H}_2\text{O}$

**MOLECULAR WEIGHT:** 126.07

**CHEMICAL STRUCTURE:**



**QUALITY STANDARD:** PURIFIED GRAD

**PACKING:** 25KG HDPE BAGS/50KG HDPE BAGS/1000KG JUMBO BAGS.

**SHELF LIFE:** ONE YEAR

**SAMPLING PROCEDURE:** FOR BELOW 20 PACKS, COLLECT SAMPLE FROM EACH PACK AND RANDOM IT. FOR ABOVE 20 PACKS WE COLLECT SAMPLE FROM SQUIRE ROOT- $N+1$  (HERE N= NO OF PACKS) PACKS AND RANDOM IT. AFTER ANALYSIS WE RESERVE THE SAMPLE UP TO LIFE PERIOD.

**USAGE:** OXALIC ACID USED IN MEDICINE, PURIFYING AGENT IN PHARMACEUTICAL INDUSTRY, SPECIAL IN ANTIBIOTIC MEDICATION, SUCH AS OXYTETRACYCLINE, CHLORAMPHENICOL, PRECIPITATING AGENT IN RARE EARTH MINERAL PROCESSING, BLEACHING AGENT IN THE TEXTILE ACTIVITIES, WOOD PULP BLEACHING, RUST REMOVER FOR METAL TREATMENT, GRINDING AGENT, SUCH AS MARBLE POLISHING & WASTE WATER TREATMENT, REMOVING CALCIUM FROM WATER.

Ch. Dhanu

Factory : Unit-II, Sy. No. 451, Wadachepurupalli (Vill.), Dalaipalem (Br. P.O.)

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PAGE NO: 2 OF 2

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**HANDLING:** WASH THOROUGHLY AFTER HANDLING. DO NOT INGEST OR INHALE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. MINIMIZE DUST GENERATION AND ACCUMULATION.

**STORAGE:** STORE IN A COOL, DRY AND WELL-VENTILATED AREA AWAY FROM HEAT AND INCOMPATIBLE SUBSTANCES (STRONG OXIDIZING AGENTS LIKE PERCHLORATES, PEROXIDES, PEROXYACETATES, CHLORATES, NITRATES, CHLORINE, BROMINE AND FLUORINE, AND HYPOCHLORITE, SILVER AND ITS COMPOUNDS, STRONG ALKALIS, CHLORIDES, FURFURYL ALCOHOL). KEEP CONTAINER TIGHTLY CLOSED.

## SPECIFICATION:

S.No	CHARACTERISTIC	SPECIFICATION	TEST METHOD
1	DESCRIPTION	A WHITE COLOURED CRYSTALLINE POWDER	IS:501-1976(SECOND REVISION) BY PHYSICAL OBSERVATION
2	SOLUBILITY	SOLUBLE IN WATER & ALCOHOL	IS:501-1976(SECOND REVISION)
3	IDENTIFICATION	REACTION POSITIVE TO FORM PRECIPITATE WITH CALCIUM CHLORIDE TEST SOLUTION	IS:501-1976(SECOND REVISION)
4	ASSAY (PERMANGANOMETRY)	99.60% MIN	IS:501-1976(SECOND REVISION) REDOX TITRATION
5	SULPHATES	LESS THAN 400PPM	IS:501-1976(SECOND REVISION) (THROUGH TURBIDITYMETER RECORD)
6	CHLORIDES	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) OPALESCENCE
7	NITROGEN COMPOUND AS N	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) COMPARE WITH STANDARD VISIBLE ONLY
8	IRON CONTENT	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) COMPARE WITH STANDARD VISIBLE ONLY
9	HEAVY METALS AS LEAD	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) COMPARE WITH STANDARD VISIBLE ONLY
10	CALCIUM	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) (COMPLEX METRIC TITRATION)
11	MAGNESIUM	LESS THAN 10PPM	IS:501-1976(SECOND REVISION) (COMPLEX METRIC TITRATION)
12	SULPHATED ASH	LESS THAN 200PPM	IS:501-1976(SECOND REVISION)

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