



# Product Specification

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## COLCHICINE USED IN RESEARCH IN PLANT

**PRODUCT CODE** 027805

**SYNONYMS** --

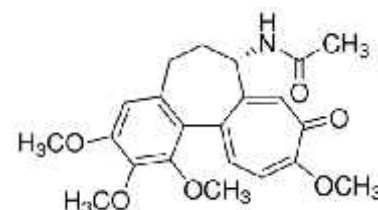
**C.I. NO.** --

**CASR NO.** (64-86-8)

**ATOMIC OR MOLECULAR FORMULA** C<sub>22</sub>H<sub>25</sub>NO<sub>6</sub>

**ATOMIC OR MOLECULAR WEIGHT** 399.45

**PROPERTIES** ---



### PARAMETER LIMIT

Description Pale yellow to pale greenish yellow crystals, amorphous scale or powder.

Solubility 10% Solution in water is clear.

Identification (FTIR) Conforms.

Minimum Assay (on anhydrous substance) 98.0%

Specific Rotation [ $\alpha$ ]<sub>D</sub><sup>25</sup> Between -240° to -250°

(C=1% solution in alcohol)

Absorbance of (0.001% w/v

soln. in 95% ethanol)

at 243 nm About 0.73

350 nm About 0.42

### MAXIMUM LIMIT OF IMPURITIES

Sulphated ash 0.1%

Water 2.0%

Colchicine Passes test.

Chromatographic purity Passes test.

Ethyl acetate (GC) 8.0%

Organic volatile impurities Meets the requirement.

**Note(s):** 1] Assay (if applicable) method mentioned.

2] Store in tight, light resistant containers.

### DANGER

**Hazard statements:** Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects

### Precautionary statements

**Prevention:** Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response:** Get medical advice/attention if you feel unwell. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. Wash/ Decontaminate removed clothing before reuse. Remove/ Take off immediately all contaminated clothing

**Disposal:** Dispose of contents and container in accordance with relevant legislation.

IMDG Code : 6.1 / I

UN No. : 1544

IATA : 6.1



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Hazard Pictogram(s) :



GHS06



GHS08

Replace Date-24-Jun.2020