

## THAI PEROXIDE CO., LTD

( Joint venture of PeroxyChem, USA and Aditya Birla Group.)

OFFICE: 77 Moo 6 Soi Sukhaphiban 1 Poochaosamingprai Rd., Samrong, Phapradaeng, Samutprakarn 10130, THAILAND. Phones: (66 2) 7042100, 7484970 Fax: (66 2) 3985510, Email: [customerservices.thaichemicals@adityabirla.com](mailto:customerservices.thaichemicals@adityabirla.com)

### PRODUCT INFORMATION.

## 12% Peracetic acid BIRLOX-12P Grade

**Description** : A water like clear & colorless liquid. An aqueous equilibrium solution containing peracetic acid, Hydrogen peroxide, acetic acid and special stabilizers. This product is considered environmentally safe since it decomposes to acetic acid and oxygen. Acetic acid is completely biodegradeable.

**Formula** :  $\text{CH}_3\text{COOOH}$

**CAS NO.** : 79-21-0

**Synonyms** : Peracetic acid, Acetyl Hydroperoxide

**Molecular weight** : 76.05 g/mole

### Physical and Chemical properties:

Form : Liquid  
Color : Clear, Colorless  
Odor : Strong pungent

### Specification

| CHARACTERISTICS               | UNIT  | SPECIFICATIONS | TEST METHOD   |
|-------------------------------|-------|----------------|---------------|
| Peracetic acid                | % w/w | 12 min         | TPL QCWK-6002 |
| H <sub>2</sub> O <sub>2</sub> | % w/w | 20 min         | TPL QCWK-6001 |
| Active Oxygen                 | % w/w | 9 min          | TPL QCWK-6003 |
| Acetic acid                   | % w/w | 18 min         | TPL QCWK-6004 |
| pH of 1% solution             | -     | 3.0 max        | TPL QCWK-1002 |
| Sp.Gravity @25 ± 1° C         | -     | 1.1 min        | TPL QCWK-1009 |
| Color                         | H.U   | 15 max         | TPL QCWK-1008 |
| Appearance                    | -     | Clear          | TPL QCWK-1008 |

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### Product performance

Best if used within 12 months and stored at 35°C maximum.

### Applications

Sanitizer in breweries, beverage, juices, food processing and equipment : meat, bakery, poultry, sea food and disinfection in hospital (facility sanitization)

### Test Method

Determination of the concentration by titration with Sodium thiosulphate.

### Handling & Storage

**Safe handling advice :** Never return unused material to storage receptacle. Avoid exposure. Provide appropriate exhaust ventilation. Wear suitable protective clothes. Open drum/container carefully. Content may be under pressure

**Technical measures/Precautions :** Keep away from sources of ignition. No smoking. Keep away from combustible material. Protect from contamination. Do not heat over +30 °C

**Storage :** Keep in a cool, well-ventilated place. Keep away from heat, direct sunlight and sources of ignition. Store in original container equipped with a vent.

**Incompatible products :** Metal chlorides, bases, reducing agents, organic materials, contamination.

**Spills clean up :** Dam up. Flush very dilute solution into sewer with plenty of water. Never return spills in original containers for reuse.

### Packaging

: 30 kg. HDPE Drum  
: 240 kg. HDPE Drum  
: 1000 kg. IBC

### Hazards

- Oxidizing, causes severe burns. May cause fire. Harmful by Inhalation, in contact with skin and if swallowed.