



STC175E - REV 3 - 02.05.05

CATEGORY III CERTIFICATION

CE 0334

SUPERFOOD 174 - 175 - 177

CE-Type Examination Certificates

SUPERFOOD 174 : 0072/014/162/12/96/0677

SUPERFOOD 175 : 0072/014/162/12/96/0677/Ex01 12 96

SUPERFOOD 177 : 0072/014/162/01/95/0062/Ex02 12 96

issued by the approved body nr. 0072

I.F.T.H. – av. Guy de Collongue - F-69134 ECULLY CEDEX

Certificate of conformity of the Quality Assurance System

issued by the approved body nr. 0334

ASQUAL - 14, rue des Reulettes - F-75013 PARIS

These gloves conform to the provisions of Directive 89/686/EEC for protection against mechanical risks, radioactive contamination, chemicals and micro-organisms.

SUPERFOOD 174 - 175 - 177

SPECIFIC ADVANTAGES

- Excellent dexterity : fineness of the glove and flexibility of the material.
- Chlorinated finish ensures enhanced protection of the products handled.
- Embossed or pebble grip : response to the various requirements for a safe handling.
- For food handling.
- Products manufactured in a MAPA factory which is ISO 9001 certified.

MAIN FIELDS OF USE

- Tinning and food preservation
- Food preparation
- Cheese making
- Fruit and vegetable handling
- Fish filleting
- Poultry de-boning

INSTRUCTIONS FOR USE

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging, protected from direct sunlight, far from heat sources or electric equipment.
- It is recommended to check that the gloves are suitable for the intended use, because the conditions of use at the workplace may differ from the "CE"-type tests.
- It is not recommended for persons sensitized to natural latex, dithiocarbamates and thiazoles to use this gloves.
- Put the gloves on dry, clean hands.
- Do not use the gloves in contact with a chemical for a duration in excess of the measured breakthrough time. Refer to the chemical resistance chart hereafter or contact the Technical Customer Service - MAPA PROFESSIONNEL in order to know this breakthrough time. Use 2 pairs alternatively when in long duration contact with a solvent.
- Turn the cuff end down in order to prevent a hazardous chemical from dripping onto the arm.
- Before taking off the gloves, clean them as appropriate :
 - in use with a solvent (alcohol, etc...) : rub over with a dry cloth
 - in use with detergents, acids or alkalies : thoroughly rinse the gloves under running water, and rub over with a dry cloth.

Caution: Inappropriate usage of the gloves or submitting them to a cleaning or laundering process which is not specifically recommended can alter their performance levels.

- Ensure the inside of the gloves is dry before putting them on again.
- Inspect the gloves for cracks or snags before reusing them.

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CHEMICAL RESISTANCE CHART

These gloves are designed for protection against numerous chemicals such as mild acids, bases, detergents, alcohol. They are not recommended for contact with petroleum, aromatic or chlorinated solvents. In order to know whether these gloves are appropriate for a given chemical, refer to the table hereafter or enquire to Mapa Professionnel's Technical Customer Service.

The table below is based on a glove of identical nature and thickness (GANTEX 520).

| CHEMICAL | CAS # | Chemical Resistance Index | Degradation Index (1 to 4) | Permeation (EN 374) Breakthrough time (minutes) | Permeation index (0 to 6) |
|------------------------|-----------|---------------------------|----------------------------|---|---------------------------|
| Cyclohexanone | 108-94-1 | - | 2 | 9 | 0 |
| N-N dimethyl acetamide | 127-19-5 | + | 3 | 14 | 1 |
| Dimethyl formamide | 68-12-2 | + | 3 | 12 | 1 |
| Ethanol | 64-17-5 | = | 3 | 9 | 0 |
| Formaldehyde* | 50-00-0 | ++ | 4 | NT | NT |
| Hydrogen peroxide 9% | 7722-84-1 | ++ | 4 | > 480 | 6 |
| Isopropanol | 67-63-0 | + | NT | 18 | 1 |
| Methanol | 67-56-1 | - | 2 | 5 | 0 |
| Methyl ethyl ketone | 78-93-3 | - | 2 | 2 | 0 |
| N-Methyl-2-Pyrrolidone | 872-50-4 | + | 3 | 18 | 1 |
| Nitric acid 20% | 7697-37-2 | ++ | 4 | > 480 | 6 |
| Phosphoric acid 20% | 7664-38-2 | ++ | 4 | > 480 | 6 |
| Sodium hydroxide 50% | 1310-73-2 | ++ | 4 | > 480 | 6 |
| 1,1,1 Trichlorethane | 71-55-6 | - | 2 | 3 | 0 |

NT : not tested yet

* Chemical Resistance Index determined from degradation result only

Chemical Resistance Index :

- ++** can be used for **long duration contact**
(limited to breakthrough time)
- +** can be used for **short repeated contacts**
(for a total duration not exceeding the breakthrough time)
- =** can be used against **splashes**
- **not recommended**

Degradation Index : a high index indicates a low degradation of the gloves in contact with the chemical.

Breakthrough Time : permeation test performed on the palm of the glove in MAPA laboratories, unless otherwise specified.

Permeation Index : a high index indicates a long breakthrough time .