



CATALYST FOR SUCCESS

➔ **-WATCH-CASES AND ACCESSORIES**
-GOLD ALLOY COVERINGS
-CORROSION RESISTANCE

Pickering Laboratories manufactures an artificial perspiration solution specifically for the ISO 3160-2 Protocol: corrosion resistance testing for the gold alloy coverings on watch-cases and accessories.

This ready-to-use formulation provides the reliability, reproducibly and convenience you need for ISO 3160-2 corrosion testing.

Pickering Laboratories is a well-known manufacturer of instruments and chemistry for the pharmaceutical, clinical and environmental testing markets. The demanding quality standards for these markets are the same which we have applied to our ISO 3160-2 artificial perspiration product used in specified product testing.

Ingredients

- sodium chloride (NaCl p.a. ACS, ISO): 20 g/L
- ammonium chloride (NH₄Cl p.a. ACS, ISO): 17.5 g/L
- urea [NH₂CONH₂, p.a. ACS, W 99.5 % (m/m), synonyms: carbamide, carbonyl diamine]: 5 g/L
- acetic acid [CH₃COOH, >20 = 1.048 g/cm³ – 1.052 g/cm³, W 99.0 % (m/m)]: 2.5 g/L
- racemic lactic acid [CH₃CH(OH)COOH, >20 = 1.21 g/cm³, very pure ph Eur, BP, E 270, about 90 % (m/m), synonyms: () -2-hydroxypropionic acid, lactol]: 15 g/L
- sodium hydroxide [NaOH p.a. ISO, synonym: caustic soda] in solution: 80 g/L (quantity required to bring the pH to 4.7)

Pickering Laboratories also manufactures artificial eccrine perspiration with 19 amino acids, the seven most abundant minerals, and the four most abundant metabolites at a pH of 4.5. It is the most complete formulation of artificial perspiration available on the market today. Custom formulations to comply with any testing protocol are available.

