

GOLD TESTING SOLUTIONS AND NEEDLES INSTRUCTIONS

Caution: GOLD TESTING SOLUTIONS CONTAIN NITRIC ACID, WHICH IS EXTREMELY TOXIC. IF IT COMES IN CONTACT WITH EYES, WASH IMMEDIATELY WITH LARGE AMOUNTS OF WATER. USE SODIUM BICARBONATE TO NEUTRALIZE ACID. CALL PHYSICIAN IMMEDIATELY. AVOID SKIN CONTACT

The JSP gold testing solution you have just purchased allows you to determine the approximate karat of the gold you are testing, and the base metal content if the item is plated or gold filled.

In order to accurately use this kit, you should have all 4 testing solutions (10K, 14K, 18K, & 22K) and 6 prong gold testing needle, 4 glass acid bottles with applicators and a black testing stone.

Quick Test: If you only need a quick approximation of the karat of a piece of gold, file a deep notch in the object to be tested. Scratch a 1 inch line on the black test stone. Apply the acid from the bottle marked 10k. If the scratch dissolves completely the object is less than 10k. If the scratch remains, apply the 14k solution. If the scratch dissolves, the object is less than 14k. Work your way up to the 22k solution until you find one that does not dissolve the gold. At that point you know that the test mark is equal or higher than the solution.

More Accurate Test: If you must determine more accurately the gold karat, you must use a combination of the acids and gold testing needles. File a deep scratch in the object to be tested and scratch a 1 inch line on the gold test stone. After you have determined the approximate karat using the quick test method, scratch a parallel line with the needle you feel will match the object to be tested. Drop the test solution on both of the lines and watch the comparative reactions of the two lines. If the needle mark dissolves sooner the scratch mark the object is of higher karat.

Base Metal Determination To approximate the base metal content drop some 10k solution on the metal and watch for the color reaction. Brass- dark green, copper- brown, nickel- blue, lead- yellow, tin- yellow

Silver Testing- Scratch the object on the test stone. Apply a parallel scratch with the needle marked .999. Drop silver testing solution on both lines and watch the reaction. Fine silver- .999 bright red, .925 silver- dark red, .80 silver-brown, .50 silver- green.

***NOTE:**

FOR PROFESSIONAL USE ONLY