

甲基红指示剂（4.2-6.3）

货号：G1211

规格：100mL

保存：2-8°C，避光保存，有效期 1 年。

产品介绍：

甲基红(Methyl Red)，又叫对二甲氨基偶氮苯邻羧酸，分子量为 269.30，分子式为 $C_{15}H_{15}N_3O_2$ ，CAS 号为 493-52-7，是一种酸性指示剂。甲基红指示剂的变色范围在 pH4.2-pH4.6，可以用于滴定氨、弱有机碱和生物碱，但不适用于除草酸和苦味酸以外的有机酸。可与溴甲酚绿和亚甲基蓝组成混合指示剂以缩短变色域和提高变色的敏锐性。甲基红指示剂（4.2-6.3）主要由甲基红、乙醇和蒸馏水组成。

操作步骤：（仅供参考）

- 1、按照实验具体要求操作。
- 2、通常按照 1：1000 的比例加入待测样品中，即每 50ml 待测样品加入 50ul（约 2-3 滴）指示剂即可。

变色范围：

终点附近指示剂颜色变化的参考颜色：pH4.2 红色，pH6.3 黄色。

注意事项：

1. 本品易挥发，建议在使用过程中注意扣盖防止对试剂状态和效果产生影响。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Methyl Red Indicator Solution, pH 4.2-6.3

Cat: G1211

Size: 100mL

Storage: 2-8°C, avoid light, valid for 1 year.

Introduction

Methyl red is an acid indicator, MW: 269.30, CAS:493-52-7, a molecular formula of $C_{15}H_{15}N_3O_2$. It can be used to titrate ammonia, weak organic bases and alkaloids, but it is not suitable for organic acids other than oxalic acid and picric acid. It can be mixed with bromocresol green and methylene blue to shorten the color gamut and improve the sensitivity of color change.

Methyl Red Indicator Solution, pH 4.2-6.3 is mainly composed of methyl red, ethanol and distilled water.

Protocol (for reference only)

1. Operate according to the specific requirements of the experiment.
2. It is usually added to the sample to be tested in the ratio of 1:1000. That is, 50ul (about 2-3 drops) indicator can be added to every 50ml of sample to be tested.

Discoloration range

Reference colors of indicator color change near the end point: pH4.2 red, pH6.3 yellow.

Note

1. This product is volatile. It is recommended to buckle the cover during use to prevent affecting the reagent state and effect.
2. For your safety and health, please wear experimental clothes and disposable gloves.