

# Hydrazine

For water and boiler water

p-Dimethylaminobenzaldehyde Method

## Introduction

Hydrazine is used as an oxygen scavenger for high pressure boilers in power plants and other industries to reduce corrosion of metal pipes and fittings. The test for hydrazine is a modification of the p-Dimethylamino-benzaldehyde Method, in which several solutions have been formulated into a single, stable reagent called HydraVer™ 2 Hydrazine Reagent. The method is both sensitive and easy to perform. It is used mostly for the determination of small amounts of hydrazine in boiler feedwater. There are no common interferences.

## Chemical reactions

Under acid conditions, hydrazine combines with p-Dimethylaminobenzaldehyde to form a yellow-colored azine complex. Color development follows Beer's law and is stable after maximum color is developed in 10 to 15 minutes.

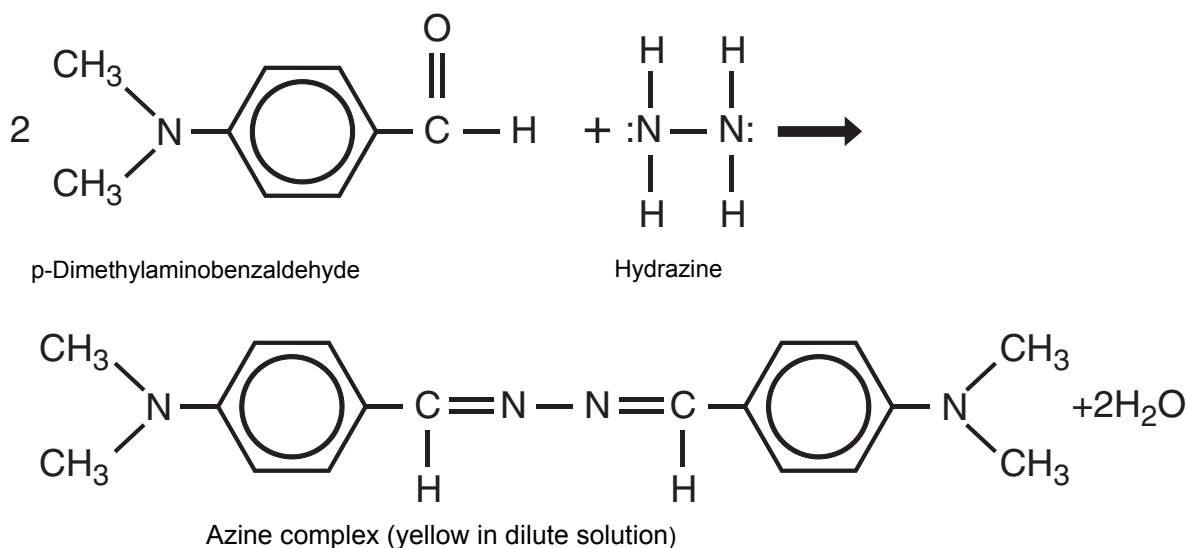


Figure 1 Chemical reaction for p-Dimethylaminobenzaldehyde method