

REACTIONS IN AQUEOUS SOLUTIONS TEST

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Lugol's iodine, also known as aqueous iodine and strong iodine solution, is a solution of potassium iodide with iodine in water. It is a medication and...

27 KB (2,618 words) - 04:37, 27 January 2024 oxide (Cu_2O). The test is named after American chemist Stanley Rossiter Benedict. Benedict's reagent is a deep-blue aqueous solution. Each litre contains:...

8 KB (913 words) - 04:21, 12 December 2023 rediscovered it in 1857. Several variants on the test have been developed, such as the BCA test and the Modified Lowry test. The biuret reaction can be used...

10 KB (995 words) - 10:56, 24 August 2023 sufficient aqueous ammonia is added to dissolve the brown silver(I) oxide. The resulting solution contains the $[\text{Ag}(\text{NH}_3)_2]^+$ complexes in the mixture,...

9 KB (1,090 words) - 20:59, 12 February 2024 The Griess test is an analytical chemistry test which detects the presence of nitrite ion in solution. One of its most important uses is the determination...

5 KB (586 words) - 18:54, 18 July 2023 von Fehling in 1849. Fehling's solution is prepared by combining two separate solutions: Fehling's A, which is a deep blue aqueous solution of copper(II)...

7 KB (819 words) - 12:33, 13 December 2023 cycles of heating and cooling to permit different temperature-dependent reactions—specifically, DNA melting and enzyme-driven DNA replication. PCR employs...

88 KB (11,092 words) - 07:34, 25 February 2024 (bases) dissolving in water (aqueous solution). The Brønsted–Lowry model expanded what could be pH tested using insoluble and soluble solutions (gas, liquid...

36 KB (4,969 words) - 21:41, 24 February 2024 6 M aqueous solution has a pH of 1. The acidity of aqueous ZnCl_2 solutions relative to solutions of other Zn^{2+} salts (say the sulfate) is due to the...

35 KB (3,483 words) - 22:22, 6 March 2024 citrate) and Fehling's solution (Cu^{2+} in aqueous sodium tartrate). The reducing sugar reduces the copper(II) ions in these test solutions to copper(I), which...

14 KB (1,690 words) - 20:13, 16 February 2024 The Schiff test is an early organic chemistry named reaction developed by Hugo Schiff, and is a relatively general chemical test for detection of many...

10 KB (1,272 words) - 09:19, 9 July 2022 logarithmic scale used to specify the acidity or basicity of aqueous solutions. Acidic solutions (solutions with higher concentrations of hydrogen (H^+) ions) are...

49 KB (6,154 words) - 12:47, 22 February 2024 KMnO_4 solutions, reduction by oxalic acid is often used. In agricultural chemistry, it is used for estimation of active carbon in soil. Aqueous, acidic...

47 KB (4,799 words) - 10:48, 6 March 2024 chloride for water treatment. In contrast to the complicated behavior of its aqueous solutions, solutions of iron(III) chloride in diethyl ether and tetrahydrofuran...

39 KB (3,852 words) - 03:43, 13 February 2024 The sodium fusion test, or Lassaigne's test, is used in elemental analysis for the qualitative determination of the presence of foreign elements, namely...

5 KB (701 words) - 19:16, 17 December 2023 lichenologist William Nylander in 1866. Three common spot tests use either 10% aqueous KOH solution (K test), saturated aqueous solution of bleaching powder or...

23 KB (2,778 words) - 13:24, 6 March 2024 present predominantly as α - or β -pyranose, which interconvert. From aqueous solutions, the three known forms can be crystallized: α -glucopyranose, β -glucopyranose...

105 KB (11,570 words) - 18:53, 1 March 2024 carbonates. Its dissolution in water is strongly exothermic. Concentrated aqueous solutions are sometimes called potassium lyes. Even at high temperatures, solid...

20 KB (1,994 words) - 14:49, 21 January 2024 nitric acid and nitrous acid in aqueous solution: $2 \text{NO}_2 + \text{H}_2\text{O} \rightarrow \text{HNO}_3 + \text{HNO}_2$ In warm or concentrated solutions, the overall reaction amounts to production of...

12 KB (1,170 words) - 22:28, 19 February 2024 operated an aqueous homogeneous reactor, called KEMA Suspensie Test Reactor (KSTR) on their site at Arnhem in the Netherlands. The reactor was built in cooperation...

13 KB (1,609 words) - 09:41, 2 September 2023

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